

**South Carolina Pre-Hospital Information**  
**System**  
**(SCPIS)**

**NHTSA/NEMSIS Data Elements**

**South Carolina Pre-Hospital Information System**  
**Data Elements**  
**(SCPIS)**

Adapted from

US Department of Transportation  
National Highway Traffic Safety Administration (NHTSA)

**NHTSA**  
**Uniform Pre-Hospital**  
**Emergency Medical Services (EMS)**  
**Dataset**

**Version 2.2.1 (2006)**



**[www.NEMSIS.org](http://www.NEMSIS.org)**

# NHTSA Uniform PreHospital EMS Dataset Version 2.2.1

National EMS Information Agency Project (NEMSIS)

[www.nemsis.org](http://www.nemsis.org)

In 1994, Version 1 of the National Highway Traffic Safety Administration's Uniform PreHospital EMS Dataset was created through a consensus based national data conference. The NHTSA Version 1 EMS dataset has been acknowledged as the national standard for the EMS industry. The Version 2.2.1 dataset was also created through a national consensus process to update and revise this standard.

The NHTSA EMS Uniform PreHospital Dataset, Version 2.2.1 is composed of three separate components. A Demographic Dataset provides a standardized set of definitions describing an EMS System. An EMS Dataset provides a standardized set of definitions describing an EMS event. The third component of the Version 2.2.1 standard is an XML format and definition created to promote the movement of the Version 2.2.1 data elements between data systems.

**Any implementation of the NHTSA Version 2.2.1 dataset must include the use of the Demographic dataset, EMS dataset, and XML standard.** This document provides over 400 definitions which can be implemented by an EMS system. The National EMS Information System Initiative (NEMSIS) serves to provide technical assistance for the implementation of the dataset. National data elements are defined which should be collected by a National EMS Database but additional data elements should be considered for use at the state and local levels depending on each state or local EMS systems need. The goal of NEMSIS is to establish an EMS data system at the local, state, and national levels. Please see [www.nemsis.org](http://www.nemsis.org) for more information.

Information provided in this document includes the following:

- \* Name of the Data Element
- \* Definition of the Data Element
- \* Data Type of the Data Element (many data elements have comments provided to assist in the implementation of a database schema and the NHTSA Version 2.2.1 XML standard)
- \* How to deal with missing or incomplete information (See Missing Data or Null Values below)
- \* The Variables associated with each Data Element
- \* What Data Elements are associated with the Data Element (for example Date/Time Medication Administered is associated with each Medication Given Data Element)
- \* Whether the Data Element is part of the Data Elements to be collected in the National EMS Database (NDB)
- \* Whether the Data Element is part of the medical record information (Patient Care Report) or is a quality management Data Element to be used internally by the EMS system and protected by Peer Review.
- \* What Reports are possible through the use of the Data Element
- \* Who is responsible for collecting the Data Element
- \* How the Data Element is related to other National Data Tools such as NHTSA Version 1, NFIRS, and Utstein

# **NHTSA Uniform Pre-Hospital Emergency Medical Services (EMS) Dataset Version 2.2.1 (2006)**

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# ***Agency General Information***

# EMS AGENCY NUMBER

D01\_01

Data Format [text]

National Element

## Definition

The state-assigned provider number of the responding agency

XSD Data Type	xs:string	XSD Domain (Simple Type)	EMSAgencyNumber
Multiple Entry Configuration	No	Accepts Null	No
Required in XSD	Yes	Minimum Constraint	3
		Maximum Constraint	15

## Field Values

A unique value; no variable list is possible.

## Additional Information

- All EMS Agency demographic information is associated with the EMS agency number
- Not Nullable. A unique value must be provided to create a unique record ID within a database
- The same as EMS Agency Number (E02\_01). This could be used to auto fill E02\_01 on the Patient Care Report
- This data element is unique and is typically sequential

## Uses

- Agency number (E02\_01), agency state (D01\_03),unit call sign (E02\_12), patient number (E01\_01) and date (E05\_04) combine to create a unique identifier

## Data Collector

- Typically generated by the State EMS Regulatory Office. Collected by the EMS agency or auto-generated by the EMS agency specific software.

## Other Associated Elements

D01\_01 EMS Agency Number

## References in NHTSA Version 1

Desirable Element 23 Patient Care Record Number

## References to Other Databases

- NFIRS 5.0 EMS Module; Title: Patient Number

# EMS AGENCY NAME

D01\_02

Data Format [text]

## Definition

The formal name of the agency

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>EMSAgencyName</i>
<b>Multiple Entry Configuration</b>	No	<b>Accepts Null</b>	No
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	2
		<b>Maximum Constraint</b>	50

## Field Values

A unique value; no variable list is possible.

## Uses

- Component of the EMS Agency Contact information
- Used to personalize reports associated with the EMS Agency

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

D01\_01 EMS Agency Number

Data Format [combo] multiple-choice

Definition

The state in which the Agency provides services

XSD Data Type	xs:string	XSD Domain (Simple Type)	AgencyState
Multiple Entry Configuration	Yes	Accepts Null	No
Required in XSD	Yes	Minimum Constraint	2
		Maximum Constraint	2

Field Values

- Appropriate 2 digit FIPS code

Additional Information

- 2 digit FIPS numeric code (Not State abbreviation)
- Not Nullable. A unique value must be provided to create a unique record ID within a database

Uses

- Agency number (E02\_01), agency state (D01\_03),unit call sign (E02\_12), patient number (E01\_01) and date (E05\_04) combine to create a unique identifier

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01\_01 EMS Agency Number

References to Other Databases

- NFIRS 5.0 EMS Module, Title: State

Data Format [combo] multiple-choice

Definition

The county(s) for which the agency formally provides service

XSD Data Type	xs:string	XSD Domain (Simple Type)	AgencyCounty
Multiple Entry Configuration	Yes	Accepts Null	No
Required in XSD	Yes	Minimum Constraint	5
		Maximum Constraint	5

Field Values

- Appropriate 5 digit FIPS code

Additional Information

- Stored as a 5 digit FIPS code (combining the state and county code) to take into account agencies may serve more than one state and counties are often named the same from state to state

Uses

- Used to group data with a state

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01\_01 EMS Agency Number

PRIMARY TYPE OF SERVICE

D01\_05

Data Format [combo] single-choice

Definition

The primary service type provided by the agency

XSD Data Type *xs:integer* XSD Domain (Simple Type) *PrimaryTypeOfService*  
Multiple Entry Configuration No Accepts Null No  
Required in XSD No

Field Values

5610	911 Response (Scene) with Transport Capability	5620	911 Response (Scene) without Transport Capability
5630	Air Medical	5640	Hazmat
5650	Medical Transport (Convalescent)	5660	Paramedic Intercept
5670	Rescue	5680	Specialty Care Transport

Uses

- Important for grouping or comparing EMS Agencies

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01\_01 EMS Agency Number

# LEVEL OF SERVICE

D01\_07

**Data Format** [combo] single-choice

*National Element*

## Definition

The highest credentialed personnel's level of service which the agency provides for every EMS encounter if requested. In a tiered response system, this is the highest level of service which could be sent to any specific call.

**XSD Data Type** *xs:string/integer*

**XSD Domain (Simple Type)** *DemographicStateCertificationLicensureLevels*

**Multiple Entry Configuration** No

**Accepts Null** No

**Required in XSD** Yes

**Minimum Constraint** 2

**Maximum Constraint** 30

## Field Values

**6090** EMT-Basic

**6100** EMT-Intermediate

**6110** EMT-Paramedic

**6111** Nurse

**6112** Physician

**6120** First Responder

## Additional Information

- This list can be edited by each state to account for additional certification/licensure level by adding levels as listed in State Certification/Licensure Levels (D04\_01). State Certification/Licensure levels (D04\_01) should create the list for this item
- This value is stored either as the appropriate code or in text if an additional certification/licensure level has been entered by a state

## Uses

- Allows data to be sorted based on an agency's level of service
- Provides description of EMS Personnel
- Provides descriptive information when combined with an EMS Agency's Billing Status

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

**D01\_01** EMS Agency Number

## References in NHTSA Version 1

Essential Element 29 Crew Member One Type

Essential Element 30 Crew Member Two Type

Desirable Element 31 Crew Member Three Type

## References to Other Databases

- **NFIRS 5.0** EMS Module, Title: Highest Level of Provider on Scene by Fire Department, Pick-List: First Responder = 1, EMT-B (Basic) = 2, EMT-I (Intermediate) = 3, EMT-P (Paramedic) = 4, Other Health Care Provider, Include Doctors, Nurses = O, No Care Provided = N
- **NFIRS 5.0** EMS Module, Title: Initial Level of FD Provider, Pick-List: First Responder = 1, EMT-B (Basic) = 2, EMT-I (Intermediate) = 3, EMT-P (Paramedic) = 4, Other Health Care Provider, Includes Doctors, Nurses, etc. = O, No Training = N

ORGANIZATIONAL TYPE

D01\_08

Data Format [combo] single-choice

National Element

Definition

The organizational structure from which EMS services are delivered (fire, hospital, county, etc.)

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>OrganizationalType</i>
<b>Multiple Entry Configuration</b>	No	<b>Accepts Null</b>	No
<b>Required in XSD</b>	Yes		

Field Values

<b>5810</b> Community, Non-Profit	<b>5820</b> Fire Department
<b>5830</b> Governmental, Non-Fire	<b>5840</b> Hospital
<b>5850</b> Private, Non_Hospital	<b>5860</b> Tribal

Uses

- Allows data to be sorted based on an agency's organizational structure
- Provides description of EMS agencies across the nation

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01\_01 EMS Agency Number

# ORGANIZATION STATUS

D01\_09

Data Format [combo] single-choice

National Element

## Definition

The primary organizational status of the agency. The definition of Volunteer or Non-Volunteer is based on state or local terms.

XSD Data Type	xs:integer	XSD Domain (Simple Type)	OrganizationStatus
Multiple Entry Configuration	No	Accepts Null	No
Required in XSD	Yes		

## Field Values

5870	Mixed	5880	Non-Volunteer
5890	Volunteer		

## Uses

- Allows data to be sorted based on an agency's organizational status
- Provides description of EMS agencies across the nation

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

D01\_01 EMS Agency Number

Data Format [date/time]

National Element

Definition

The year to which the information pertains

XSD Data Type *xs:gYear* XSD Domain (Simple Type) *StatisticalYear*  
Multiple Entry Configuration Yes, via structure Accepts Null No  
Required in XSD Yes Minimum Constraint 1,990 Maximum Constraint 2,030  
XSD Structure: D01\_10, D01\_12, D01\_13, D01\_14, D01\_15, D01\_16, D01\_17, and D01\_18 are all members of D1\_10\_0 Statistical Year Structure

Field Values

A unique value; no variable list is possible.

Additional Information

- Format [YYYY]
- Multiple entry configuration to allow statistical data to be entered yearly
- Used to identify the year to which the data pertains

Uses

- Associates a year with statistical data to improve reporting capabilities

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01_01	EMS Agency Number	D01_12	Total Service Size Area
D01_13	Total Service Area Population	D01_14	911 Call Volume per Year
D01_15	EMS Dispatch Volume per Year	D01_16	EMS Transport Volume per Year
D01_17	EMS Patient Contact Volume per Year	D01_18	EMS Billable Calls per Year
E02_01	EMS Agency Number		

# TOTAL SERVICE SIZE AREA

D01\_12

Data Format [number]

National Element

## Definition

The total square miles in the agency's service area

**XSD Data Type** *xs:positiveInteger*      **XSD Domain (Simple Type)** *TotalServiceSizeArea*  
**Multiple Entry Configuration**    Yes, via structure      **Accepts Null**    Yes, but null value is blank or empty  
**Required in XSD**    Yes      **Minimum Constraint**    1      **Maximum Constraint**    100,000,000  
XSD Structure: D01\_10, D01\_12, D01\_13, D01\_14, D01\_15, D01\_16, D01\_17, and D01\_18 are all members of D1\_10\_0 Statistical Year Structure

## Field Values

A unique value; no variable list is possible.

## Additional Information

- Multiple entry configuration to allow statistical data to be entered yearly

## Uses

- Allows data to be sorted based on an agency's service area size
- Provides description of EMS agencies across the nation

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

D01_01	EMS Agency Number	D01_10	Statistical Year
D01_13	Total Service Area Population	D01_14	911 Call Volume per Year
D01_15	EMS Dispatch Volume per Year	D01_16	EMS Transport Volume per Year
D01_17	EMS Patient Contact Volume per Year	D01_18	EMS Billable Calls per Year

# TOTAL SERVICE AREA POPULATION

D01\_13

**Data Format** [number]

*National Element*

## Definition

The total population in the agency's service area based on year 2000 census data (if possible). This number does not include population changes associated with daily work flow or seasonal movements

**XSD Data Type** *xs:positiveInteger*

**XSD Domain (Simple Type)** *TotalServiceAreaPopulation*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes, but null value is blank or empty

**Required in XSD** Yes

**Minimum Constraint** 1

**Maximum Constraint** 100,000,000

XSD Structure: D01\_10, D01\_12, D01\_13, D01\_14, D01\_15, D01\_16, D01\_17, and D01\_18 are all members of D1\_10\_0 Statistical Year Structure

## Field Values

A unique value; no variable list is possible.

## Additional Information

- Baseline data should be taken from the 2000 Census data if possible
- Multiple entry configuration to allow statistical data to be entered yearly

## Uses

- Allows data to be sorted based on an agency's service area population
- Provides description of EMS agencies across the nation

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

**D01\_01** EMS Agency Number

**D01\_12** Total Service Size Area

**D01\_15** EMS Dispatch Volume per Year

**D01\_17** EMS Patient Contact Volume per Year

**D01\_10** Statistical Year

**D01\_14** 911 Call Volume per Year

**D01\_16** EMS Transport Volume per Year

**D01\_18** EMS Billable Calls per Year

# 911 CALL VOLUME PER YEAR

D01\_14

Data Format [number]

National Element

## Definition

The number of 911 EMS calls for the calendar year

XSD Data Type *xs:positiveInteger* XSD Domain (Simple Type) *CallVolumeYear911*

Multiple Entry Configuration Yes, via structure Accepts Null Yes, but null value is blank or empty

Required in XSD Yes Minimum Constraint 1 Maximum Constraint 100,000,000

XSD Structure: D01\_10, D01\_12, D01\_13, D01\_14, D01\_15, D01\_16, D01\_17, and D01\_18 are all members of D1\_10\_0 Statistical Year Structure

## Field Values

A unique value; no variable list is possible.

## Additional Information

- Multiple entry configuration to allow statistical data to be entered yearly

## Uses

- Allows data to be sorted based on an agency's 911 call volume per year
- Provides description of EMS agencies across the nation

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

D01_01	EMS Agency Number	D01_10	Statistical Year
D01_12	Total Service Size Area	D01_13	Total Service Area Population
D01_15	EMS Dispatch Volume per Year	D01_16	EMS Transport Volume per Year
D01_17	EMS Patient Contact Volume per Year	D01_18	EMS Billable Calls per Year

# EMS DISPATCH VOLUME PER YEAR

D01\_15

**Data Format** [number]

*National Element*

## Definition

The number of EMS dispatches for the calendar year

**XSD Data Type** *xs:positiveInteger*

**XSD Domain (Simple Type)** *EMSDispatchVolumeYear*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes, but null value is blank or empty

**Required in XSD** Yes

**Minimum Constraint** 1

**Maximum Constraint** 100,000,000

XSD Structure: D01\_10, D01\_12, D01\_13, D01\_14, D01\_15, D01\_16, D01\_17, and D01\_18 are all members of D1\_10\_0 Statistical Year Structure

## Field Values

A unique value; no variable list is possible.

## Additional Information

- Multiple entry configuration to allow statistical data to be entered yearly

## Uses

- Allows data to be sorted based on an agency's Dispatch volume per year
- Provides description of EMS agencies across the nation

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

**D01\_01** EMS Agency Number

**D01\_10** Statistical Year

**D01\_12** Total Service Size Area

**D01\_13** Total Service Area Population

**D01\_14** 911 Call Volume per Year

**D01\_16** EMS Transport Volume per Year

**D01\_17** EMS Patient Contact Volume per Year

**D01\_18** EMS Billable Calls per Year

# EMS TRANSPORT VOLUME PER YEAR

D01\_16

**Data Format** [number]

*National Element*

## Definition

The number of EMS transports for the calendar year

**XSD Data Type** *xs:positiveInteger*

**XSD Domain (Simple Type)** *EMSTransportVolumeYear*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes, but null value is blank or empty

**Required in XSD** Yes

**Minimum Constraint** 1

**Maximum Constraint** 100,000,000

XSD Structure: D01\_10, D01\_12, D01\_13, D01\_14, D01\_15, D01\_16, D01\_17, and D01\_18 are all members of D1\_10\_0 Statistical Year Structure

## Field Values

A unique value; no variable list is possible.

## Additional Information

- Multiple entry configuration to allow statistical data to be entered yearly

## Uses

- Allows data to be sorted based on an agency's Transport volume per year
- Provides description of EMS agencies across the nation

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

**D01\_01** EMS Agency Number

**D01\_10** Statistical Year

**D01\_12** Total Service Size Area

**D01\_13** Total Service Area Population

**D01\_14** 911 Call Volume per Year

**D01\_15** EMS Dispatch Volume per Year

**D01\_17** EMS Patient Contact Volume per Year

**D01\_18** EMS Billable Calls per Year

# EMS PATIENT CONTACT VOLUME PER YEAR

D01\_17

**Data Format** [number]

*National Element*

## Definition

The number of EMS patient contacts for that calendar year

**XSD Data Type** *xs:positiveInteger*

**XSD Domain (Simple Type)** *EMSPatientContactVolumeYear*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes, but null value is blank or empty

**Required in XSD** Yes

**Minimum Constraint** 1

**Maximum Constraint** 100,000,000

XSD Structure: D01\_10, D01\_12, D01\_13, D01\_14, D01\_15, D01\_16, D01\_17, and D01\_18 are all members of D1\_10\_0 Statistical Year Structure

## Field Values

A unique value; no variable list is possible.

## Additional Information

- Multiple entry configuration to allow statistical data to be entered yearly

## Uses

- Allows data to be sorted based on an agency's Patient Contact volume per year
- Provides description of EMS agencies across the nation

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

**D01\_01** EMS Agency Number

**D01\_10** Statistical Year

**D01\_12** Total Service Size Area

**D01\_13** Total Service Area Population

**D01\_14** 911 Call Volume per Year

**D01\_15** EMS Dispatch Volume per Year

**D01\_16** EMS Transport Volume per Year

**D01\_18** EMS Billable Calls per Year

# EMS BILLABLE CALLS PER YEAR

D01\_18

**Data Format** [number]

## Definition

The number of EMS patient encounters which are billable for the calendar year

**XSD Data Type** *xs:positiveInteger* **XSD Domain (Simple Type)** *EMSBillableCallsYear*

**Multiple Entry Configuration** Yes, via structure **Accepts Null** Yes, but null value is blank or empty

**Required in XSD** No **Minimum Constraint** 1 **Maximum Constraint** 100,000,000

XSD Structure: D01\_10, D01\_12, D01\_13, D01\_14, D01\_15, D01\_16, D01\_17, and D01\_18 are all members of D1\_10\_0 Statistical Year Structure

## Field Values

A unique value; no variable list is possible.

## Additional Information

- Multiple entry configuration to allow statistical data to be entered yearly

## Uses

- Allows data to be sorted based on an agency's EMS Billable Calls/Year
- Provides description of EMS agencies across the nation

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

<b>D01_01</b>	EMS Agency Number	<b>D01_10</b>	Statistical Year
<b>D01_12</b>	Total Service Size Area	<b>D01_13</b>	Total Service Area Population
<b>D01_14</b>	911 Call Volume per Year	<b>D01_15</b>	EMS Dispatch Volume per Year
<b>D01_16</b>	EMS Transport Volume per Year	<b>D01_17</b>	EMS Patient Contact Volume per Year

Data Format [text]

National Element

Definition

The National Provider Identifier associated with National Provider System (NPS) and used in all standard HIPAA transactions such as electronic claim filing.

XSD Data Type	xs:string	XSD Domain (Simple Type)	NationalProviderIdentifier
Multiple Entry Configuration	No	Accepts Null	Yes
Required in XSD	Yes	Minimum Constraint	3
		Maximum Constraint	10

Field Values

-25	Not Applicable	-15	Not Reporting
-10	Not Known	-5	Not Available

Additional Information

- The National Provider Identifier is associated with the EMS agency number

Uses

- Important for HIPAA related transactions such as electronic claims processing

Data Collector

- Generated by the National Provider System within the United States Department of Health and Human Services.  
Collected by the EMS agency or auto-generated by the EMS agency specific software.

Other Associated Elements

D01\_01 EMS Agency Number

# ***Agency Contact Information***

# AGENCY CONTACT LAST NAME

D02\_01

Data Format [text]

## Definition

The Last Name of the agency's primary contact.

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>DemographicLastName</i>
<b>Multiple Entry Configuration</b>	No	<b>Accepts Null</b>	No
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	2
		<b>Maximum Constraint</b>	20

XSD Structure: D02\_01, D02\_02, and D02\_03 are all members D02\_01\_0 Agency Contact Name Structure

## Field Values

A unique value; no variable list is possible.

## Uses

- Component of the EMS Agency Contact Information/Address

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

<b>D01_01</b>	EMS Agency Number	<b>D02_02</b>	Agency Contact Middle Name/Initial
<b>D02_03</b>	Agency Contact First Name		

# AGENCY CONTACT MIDDLE NAME/INITIAL

D02\_02

Data Format [text]

## Definition

The Middle Name or initial of the agency's primary contact.

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>FirstName</i>
<b>Multiple Entry Configuration</b>	No	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	1
		<b>Maximum Constraint</b>	20

XSD Structure: D02\_01, D02\_02, and D02\_03 are all members D02\_01\_0 Agency Contact Name Structure

## Field Values

A unique value; no variable list is possible.	-25 Not Applicable
-10 Not Known	-5 Not Available

## Uses

- Component of the EMS Agency Contact Information/Address

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

<b>D01_01</b>	EMS Agency Number	<b>D02_01</b>	Agency Contact Last Name
<b>D02_03</b>	Agency Contact First Name	<b>E00</b>	Common Null Values

AGENCY CONTACT FIRST NAME

D02\_03

Data Format [text]

Definition

The First Name of the agency's primary contact.

**XSD Data Type** *xs:string* **XSD Domain (Simple Type)** *MiddleInitialName*  
**Multiple Entry Configuration** No **Accepts Null** Yes  
**Required in XSD** No **Minimum Constraint** 1 **Maximum Constraint** 20  
XSD Structure: D02\_01, D02\_02, and D02\_03 are all members D02\_01\_0 Agency Contact Name Structure

Field Values

A unique value; no variable list is possible. -25 Not Applicable  
-10 Not Known -5 Not Available

Uses

- Component of the EMS Agency Contact Information/Address

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01_01	EMS Agency Number	D02_01	Agency Contact Last Name
D02_02	Agency Contact Middle Name/Initial	E00	Common Null Values

Data Format [text]

Definition

The Agency contact's location or physical address.

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	<i>StreetAddress</i>
Multiple Entry Configuration	No	Accepts Null	Yes
Required in XSD	No	Minimum Constraint	2
		Maximum Constraint	30

XSD Structure: D02\_04, D02\_05, D02\_06, and D02\_07 are all members of D02\_04\_0 Agency Contract Address

Field Values

- A unique value; no variable list is possible.

-25 Not Applicable
- 10 Not Known

-5 Not Available

Uses

- Component of the EMS Agency Contact Information/Address

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01_01	EMS Agency Number	D02_05	Agency Contact City
D02_06	Agency Contact State	D02_07	Agency Contact Zip Code
E00	Common Null Values		

Data Format [combo] single-choice

Definition

The city of the Agency contact's mailing address.

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	City
Multiple Entry Configuration	No	Accepts Null	Yes
Required in XSD	No	Minimum Constraint	2
		Maximum Constraint	30
XSD Structure: D02_04, D02_05, D02_06, and D02_07 are all members of D02_04_0 Agency Contract Address			

Field Values

- A unique value; no variable list is possible.
- 10 Not Known

-25 Not Applicable

-5 Not Available

Additional Information

- 5 digit FIPS code
- Could be filled in from Zip Code entry (D02\_07)

Uses

- Component of the EMS Agency Contact Information/Address

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01_01	EMS Agency Number	D02_04	Agency Contact Address
D02_06	Agency Contact State	D02_07	Agency Contact Zip Code
E00	Common Null Values		

Data Format [combo] single-choice

Definition

The state of the Agency contact's mailing address.

XSD Data Type	xs:string	XSD Domain (Simple Type)	State
Multiple Entry Configuration	No	Accepts Null	Yes
Required in XSD	No	Minimum Constraint	2
		Maximum Constraint	3
XSD Structure: D02_04, D02_05, D02_06, and D02_07 are all members of D02_04_0 Agency Contract Address			

Field Values

- A unique value; no variable list is possible.
- 25 Not Applicable
- 10 Not Known
- 5 Not Available

Additional Information

- 2 digit FIPS numeric code (Not State abbreviation)
- Could be filled in from Zip Code entry (D02\_07)

Uses

- Component of the EMS Agency Contact Information/Address

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01_01	EMS Agency Number	D02_04	Agency Contact Address
D02_05	Agency Contact City	D02_07	Agency Contact Zip Code
E00	Common Null Values		

# AGENCY CONTACT ZIP CODE

D02\_07

*National Element*

Data Format [text]

Definition

The ZIP code of the Agency contact's mailing address.

XSD Data Type *xs:string* XSD Domain (Simple Type) *DemographicZip*  
Multiple Entry Configuration No Accepts Null No  
Required in XSD Yes Minimum Constraint 5 Maximum Constraint 10  
XSD Structure: D02\_04, D02\_05, D02\_06, and D02\_07 are all members of D02\_04\_0 Agency Contract Address

Field Values

A unique value; no variable list is possible.

Additional Information

- Can be a 5 or 9 digit Zip Code

Uses

- Allows data to be sorted into a geographical area
- Component of the EMS Agency Contact Information/Address

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01_01	EMS Agency Number	D02_04	Agency Contact Address
D02_05	Agency Contact City	D02_06	Agency Contact State

AGENCY CONTACT TELEPHONE NUMBER

D02\_08

Data Format [text]

Definition

The primary phone number of the Agency contact.

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	<i>TelephoneNumber</i>
Multiple Entry Configuration	No	Accepts Null	Yes
Required in XSD	No	Minimum Constraint	2
		Maximum Constraint	10

Field Values

- A unique value; no variable list is possible.
- 10 Not Known

-25 Not Applicable

-5 Not Available

Additional Information

- 10 digit telephone number

Uses

- Component of the EMS Agency Contact Information/Address

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01_01	EMS Agency Number	E00	Common Null Values
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AGENCY CONTACT FAX NUMBER

D02\_09

Data Format [text]

Definition

The primary fax number of the Agency contact.

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	<i>TelephoneNumber</i>
Multiple Entry Configuration	No	Accepts Null	Yes
Required in XSD	No	Minimum Constraint	2
		Maximum Constraint	10

Field Values

A unique value; no variable list is possible.

-25 Not Applicable

-10 Not Known

-5 Not Available

Additional Information

- 10 digit telephone number

Uses

- Component of the EMS Agency Contact Information/Address

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01_01	EMS Agency Number	E00	Common Null Values
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AGENCY CONTACT EMAIL ADDRESS

D02\_10

Data Format [text]

Definition

The primary email address of the Agency contact.

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	<i>EmailAddress</i>
Multiple Entry Configuration	No	Accepts Null	Yes
Required in XSD	No	Minimum Constraint	2
		Maximum Constraint	100

Field Values

A unique value; no variable list is possible.	-25	Not Applicable
-10 Not Known	-5	Not Available

Uses

- Component of the EMS Agency Contact Information/Address

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01_01	EMS Agency Number	E00	Common Null Values
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AGENCY CONTACT WEB ADDRESS

D02\_11

Data Format [text]

Definition

The primary website address (URL) of the agency.

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	<i>WebAddress</i>
Multiple Entry Configuration	No	Accepts Null	Yes
Required in XSD	No	Minimum Constraint	2
		Maximum Constraint	100

Field Values

A unique value; no variable list is possible.	-25	Not Applicable
-10 Not Known	-5	Not Available

Uses

- Component of the EMS Agency Contact Information/Address

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01_01	EMS Agency Number	E00	Common Null Values
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# ***Agency Medical Director Information***

# AGENCY MEDICAL DIRECTOR LAST NAME

D03\_01

Data Format [text]

## Definition

The Last Name of the Agency's Medical Director

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>DemographicLastName</i>
<b>Multiple Entry Configuration</b>	No	<b>Accepts Null</b>	No
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	2
		<b>Maximum Constraint</b>	20

XSD Structure: D03\_01, D03\_02, and D03\_03 are all members of D03\_01\_0 Agency Medical Director Name

## Field Values

A unique value; no variable list is possible.

## Uses

- Component of the EMS Medical Director’s Contact Information/ Address

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

<b>D01_01</b>	EMS Agency Number	<b>D03_02</b>	Agency Medical Director Middle Name/Initial
<b>D03_03</b>	Agency Medical Director First Name		

# AGENCY MEDICAL DIRECTOR MIDDLE NAME/INITIAL

D03\_02

Data Format [text]

## Definition

The Middle Name or Initial of the Agency's Medical Director

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>MiddleInitialName</i>
<b>Multiple Entry Configuration</b>	No	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	1
		<b>Maximum Constraint</b>	20

XSD Structure: D03\_01, D03\_02, and D03\_03 are all members of D03\_01\_0 Agency Medical Director Name

## Field Values

A unique value; no variable list is possible.	-25 Not Applicable
-10 Not Known	-5 Not Available

## Uses

- Component of the EMS Medical Director’s Contact Information/ Address

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

<b>D01_01</b>	EMS Agency Number	<b>D03_01</b>	Agency Medical Director Last Name
<b>D03_03</b>	Agency Medical Director First Name	<b>E00</b>	Common Null Values

# AGENCY MEDICAL DIRECTOR FIRST NAME

D03\_03

Data Format [text]

## Definition

The First Name of the Agency's Medical Director

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>FirstName</i>
<b>Multiple Entry Configuration</b>	No	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	1
		<b>Maximum Constraint</b>	20

XSD Structure: D03\_01, D03\_02, and D03\_03 are all members of D03\_01\_0 Agency Medical Director Name

## Field Values

A unique value; no variable list is possible.	-25 Not Applicable
-10 Not Known	-5 Not Available

## Uses

- Component of the EMS Medical Director’s Contact Information/ Address

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

<b>D01_01</b>	EMS Agency Number	<b>D03_01</b>	Agency Medical Director Last Name
<b>D03_02</b>	Agency Medical Director Middle Name/Initial	<b>E00</b>	Common Null Values

Data Format [text]

Definition

The street or mailing address of the Agency's medical director

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>StreetAddress</i>
<b>Multiple Entry Configuration</b>	No	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	2
		<b>Maximum Constraint</b>	30

XSD Structure: D03\_04, D03\_05, D03\_06, and D03\_07 are all members of D03\_04\_0 Agency Medical Director Address

Field Values

A unique value; no variable list is possible.	-25 Not Applicable
-10 Not Known	-5 Not Available

Uses

- Component of the EMS Medical Director’s Contact Information/ Address

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

<b>D01_01</b>	EMS Agency Number	<b>D03_01</b>	Agency Medical Director Last Name
<b>D03_05</b>	Agency Medical Director City	<b>D03_06</b>	Agency Medical Director State
<b>D03_07</b>	Agency Medical Director Zip Code	<b>E00</b>	Common Null Values

Data Format [combo] single-choice

Definition

The city of the Agency medical director's mailing address

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	<i>City</i>
Multiple Entry Configuration	No	Accepts Null	Yes
Required in XSD	No	Minimum Constraint	2
		Maximum Constraint	30
XSD Structure: D03_04, D03_05, D03_06, and D03_07 are all members of D03_04_0 Agency Medical Director Address			

Field Values

A unique value; no variable list is possible.	-25 Not Applicable
-10 Not Known	-5 Not Available

Additional Information

- 5 digit FIPS code
- Could be filled in from Zip Code entry (D03\_07)

Uses

- Component of the EMS Medical Director’s Contact Information/ Address

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01_01	EMS Agency Number	D03_01	Agency Medical Director Last Name
D03_04	Agency Medical Director Address	D03_06	Agency Medical Director State
D03_07	Agency Medical Director Zip Code	E00	Common Null Values

Data Format [combo] single-choice

Definition

The state of the Agency medical director's mailing address

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	<i>State</i>
Multiple Entry Configuration	No	Accepts Null	Yes
Required in XSD	No	Minimum Constraint	2
		Maximum Constraint	3
XSD Structure: D03_04, D03_05, D03_06, and D03_07 are all members of D03_04_0 Agency Medical Director Address			

Field Values

A unique value; no variable list is possible.	-25 Not Applicable
-10 Not Known	-5 Not Available

Additional Information

- 2 digit FIPS numeric code (Not State abbreviation)
- Could be filled in from Zip Code entry (D03\_07)

Uses

- Component of the EMS Medical Director’s Contact Information/ Address

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01_01	EMS Agency Number	D03_01	Agency Medical Director Last Name
D03_04	Agency Medical Director Address	D03_05	Agency Medical Director City
D03_07	Agency Medical Director Zip Code	E00	Common Null Values

# AGENCY MEDICAL DIRECTOR ZIP CODE

D03\_07

Data Format [text]

## Definition

The ZIP code of the Agency medical director's mailing address

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>DemographicZip</i>
<b>Multiple Entry Configuration</b>	No	<b>Accepts Null</b>	No
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	5
		<b>Maximum Constraint</b>	10

XSD Structure: D03\_04, D03\_05, D03\_06, and D03\_07 are all members of D03\_04\_0 Agency Medical Director Address

## Field Values

A unique value; no variable list is possible.

## Additional Information

- Can be a 5 or 9 digit Zip Code

## Uses

- Component of the EMS Medical Director’s Contact Information/ Address

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

<b>D01_01</b>	EMS Agency Number	<b>D03_01</b>	Agency Medical Director Last Name
<b>D03_04</b>	Agency Medical Director Address	<b>D03_05</b>	Agency Medical Director City
<b>D03_06</b>	Agency Medical Director State		

# AGENCY MEDICAL DIRECTOR TELEPHONE NUMBER

D03\_08

Data Format [text]

## Definition

The primary phone number of the Agency's medical director

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	<i>TelephoneNumber</i>
Multiple Entry Configuration	No	Accepts Null	Yes
Required in XSD	No	Minimum Constraint	2
		Maximum Constraint	10

## Field Values

A unique value; no variable list is possible.

-25 Not Applicable

-10 Not Known

-5 Not Available

## Additional Information

- 10 digit telephone number

## Uses

- Component of the EMS Medical Director's Contact Information/ Address

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

D01_01	EMS Agency Number	D03_01	Agency Medical Director Last Name
E00	Common Null Values		

AGENCY MEDICAL DIRECTOR FAX NUMBER

D03\_09

Data Format [text]

Definition

The primary fax number of the Agency's medical director

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	<i>TelephoneNumber</i>
Multiple Entry Configuration	No	Accepts Null	Yes
Required in XSD	No	Minimum Constraint	2
		Maximum Constraint	10

Field Values

A unique value; no variable list is possible.

-25 Not Applicable

-10 Not Known

-5 Not Available

Additional Information

- 10 digit telephone number

Uses

- Component of the EMS Medical Director’s Contact Information/ Address

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01_01	EMS Agency Number	D03_01	Agency Medical Director Last Name
E00	Common Null Values		

# AGENCY MEDICAL DIRECTOR'S MEDICAL SPECIALTY

D03\_10

Data Format [combo] single-choice

## Definition

The primary medical specialty of the Agency Medical Director

**XSD Data Type** *xs:integer*      **XSD Domain (Simple Type)** *AgencyMedicalDirectorsMedicalSpecialty*  
**Multiple Entry Configuration**      No      **Accepts Null**      Yes  
**Required in XSD** No

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	5980	Anesthesiology
5990	Cardiology	6000	Emergency Medicine
6010	Family Practice	6020	General Practice (not board certified)
6030	Internal Medicine	6040	Obstetrics and Gynecology
6050	Orthopedics	6060	Other
6070	Pediatrics	6080	Surgery

## Uses

- Provides description of the Medical Direction of EMS Agencies

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

D01_01	EMS Agency Number	D03_01	Agency Medical Director Last Name
E00	Common Null Values		

AGENCY MEDICAL DIRECTOR EMAIL ADDRESS

D03\_11

Data Format [text]

Definition

The primary email address of the Agency's medical director

XSD Data Type	xs:string	XSD Domain (Simple Type)	EmailAddress
Multiple Entry Configuration	No	Accepts Null	Yes
Required in XSD	No	Minimum Constraint	2
		Maximum Constraint	100

Field Values

A unique value; no variable list is possible.	-25	Not Applicable
-10 Not Known	-5	Not Available

Uses

- Component of the EMS Medical Director’s Contact Information/ Address

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01_01	EMS Agency Number	D03_01	Agency Medical Director Last Name
E00	Common Null Values		

# ***Agency Configuration Information***

# STATE CERTIFICATION LICENSURE LEVELS

D04\_01

**Data Format** [combo] multiple-choice

## Definition

All of the potential levels of certification/licensure for EMS personnel recognized by the state

**XSD Data Type** *xs:string/integer*

**XSD Domain (Simple Type)** *DemographicStateCertificationLicensureLevels*

**Multiple Entry Configuration** Yes

**Accepts Null** No

**Required in XSD** No

**Minimum Constraint** 2

**Maximum Constraint** 30

XSD Structure: D04\_01 is a member of D04\_01\_0 Demographic State Certification Licensure Levels

XSD Attributes: Status (Active or In-active) and Date are included as attributes

## Field Values

**6090** EMT-Basic

**6110** EMT-Paramedic

**6112** Physician

**6100** EMT-Intermediate

**6111** Nurse

**6120** First Responder

## Additional Information

- Additional EMS Certification Licensure Levels may be added by each state if a level exists in the state different than the provided variables. If an additional level is added, the new variable should be stored and passed in the xml in text format providing the name of the level
- Multiple entry configuration to create a list box for Level of Service (D01\_07), Crew Member Level (E04\_03), Personnel Level of Vehicle Crew (D06\_04), Personnel's Highest Level of Certification/Licensure for Agency (D07\_05), and State EMS Certification/Licensure Level (D08\_15)
- Other levels should be entered here as per state rules and regulations

## Uses

- Allows data to be sorted based on an agency's credentialing levels
- Used to create a list box for Items D01\_07, E04\_03, D06\_04, D07\_05, and D08\_15

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

**D01\_01** EMS Agency Number

**Data Format** [text] multiple-entry

**Definition**

The EMS unit number used to dispatch and communicate with the unit. This may be the same as the EMS Unit/Vehicle Number in many agencies.

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>EMSUnitNumber</i>
<b>Multiple Entry Configuration</b>	Yes	<b>Accepts Null</b>	No
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	2
		<b>Maximum Constraint</b>	30

XSD Structure: D04\_02 is a member of D04\_02\_0 Demographic State Certification Licensure Levels

XSD Attributes: Status (Active or In-active) and Date are included as attributes

**Field Values**

A unique value; no variable list is possible.

**Additional Information**

- Used to create a list box for EMS Unit Call Sign (E02\_12)

**Uses**

- Allows data to data to be sorted by EMS unit and/or location.

**Data Collector**

- EMS Agency and typically only documented once then verified and updated yearly or when changed

**Other Associated Elements**

D01\_01 EMS Agency Number

**Data Format** [combo] multiple-choice

## Definition

A list of all procedures that the agency has implemented and available for use.

<b>XSD Data Type</b>	<i>xs:decimal</i>	<b>XSD Domain (Simple Type)</b>	<i>DemographicProcedure</i>
<b>Multiple Entry Configuration</b>	Yes, via structure	<b>Accepts Null</b>	No
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	0
		<b>Maximum Constraint</b>	1,000

XSD Structure: D04\_04 and D04\_05 are members of D04\_04\_0 Demographic Procedure Structure

## Field Values

<b>89.820</b> 12 Lead ECG	<b>93.930</b> Airway-Bagged
<b>93.931</b> Airway-BVM	<b>97.230</b> Airway-Change Tracheostomy Tube
<b>98.130</b> Airway-Cleared	<b>96.051</b> Airway-Combitube
<b>93.900</b> Airway-CPAP	<b>96.030</b> Airway-EOA/EGTA
<b>96.991</b> Airway-Intubation Confirm CO2	<b>96.992</b> Airway-Intubation Confirm Esophageal Bulb
<b>96.052</b> Airway-Laryngeal Mask	<b>96.010</b> Airway-Nasal
<b>96.041</b> Airway-Nasotracheal Intubation	<b>93.940</b> Airway-Nebulizer Treatment
<b>31.110</b> Airway-Needle Cricothyrotomy	<b>96.020</b> Airway-Oral
<b>96.040</b> Airway-Orotracheal Intubation	<b>96.790</b> Airway-PEEP
<b>96.042</b> Airway-Rapid Sequence Induction	<b>93.910</b> Airway-Respirator Operation (BLS)
<b>98.150</b> Airway-Suctioning	<b>31.120</b> Airway-Surgical Cricothyrotomy
<b>96.700</b> Airway-Ventilator Operation	<b>96.701</b> Airway-Ventilator with PEEP
<b>38.910</b> Arterial Access-Blood Draw	<b>89.610</b> Arterial Line Maintenance
<b>89.700</b> Assessment-Adult	<b>89.701</b> Assessment-Pediatric
<b>38.995</b> Blood Glucose Analysis	<b>89.391</b> Capnography
<b>89.510</b> Cardiac Monitor	<b>99.624</b> Cardiac Pacing-External
<b>99.626</b> Cardiac Pacing-Transvenous	<b>99.623</b> Cardioversion
<b>99.640</b> Carotid Massage	<b>34.041</b> Chest Decompression
<b>34.042</b> Chest Tube Placement	<b>73.590</b> Childbirth
<b>1.181</b> CNS Catheter-Epidural Maintenance	<b>1.182</b> CNS Catheter-Intraventricular Maintenance
<b>99.600</b> CPR	<b>99.601</b> CPR by External Automated Device
<b>86.280</b> Decontamination	<b>99.621</b> Defibrillation-Automated (AED)
<b>99.622</b> Defibrillation-Manual	<b>99.625</b> Defibrillation-Placement for Monitoring/Analysis
<b>100.200</b> Extrication	<b>99.290</b> Injections-SQ/IM
<b>37.611</b> Intra-Aortic Balloon Pump	<b>93.580</b> MAST
<b>96.070</b> Nasogastric Tube Insertion	<b>89.590</b> Orthostatic Blood Pressure Measurement
<b>89.702</b> Pain Measurement	<b>89.392</b> Pulse Oximetry
<b>100.100</b> Rescue	<b>99.841</b> Restraints-Pharmacological
<b>99.842</b> Restraints-Physical	<b>93.591</b> Spinal Immobilization
<b>93.540</b> Splinting-Basic	<b>93.450</b> Splinting-Traction
<b>89.703</b> Temperature Measurement	<b>89.704</b> Thrombolytic Screen
<b>57.940</b> Urinary Catheterization	<b>38.990</b> Venous Access-Blood Draw
<b>89.620</b> Venous Access-Central Line Maintenance	<b>39.997</b> Venous Access-Discontinue
<b>38.991</b> Venous Access-Existing Catheter	<b>38.993</b> Venous Access-External Jugular Line
<b>38.992</b> Venous Access-Extremity	<b>38.994</b> Venous Access-Femoral Line
<b>39.995</b> Venous Access-Internal Jugular Line	<b>41.920</b> Venous Access-Intraosseous Adult

**41.921** Venous Access-Intraosseous Pediatric  
**89.640** Venous Access-Swan Ganz Maintenance

**39.996** Venous Access-Subclavian Line  
**93.057** Wound Care

### Additional Information

- A multiple-entry configuration with Personnel Level Permitted to use the Procedure (D04\_05)
- If local systems have procedures which are not listed in the current values, additional procedures may be added using CPT codes from the ICD-9 standard. The CPT code should be stored and passed via the XML. This will allow expansion of the list to formally add new procedures over time
- Used to create a list box for Procedure (E19\_03)

### Uses

- Allows data to be sorted based on an agency's Procedure capabilities
- Provides descriptive information when combined with an EMS Agency's Billing Status
- Used to create a list box for Response to Procedure (E19\_08)

### Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

### Other Associated Elements

**D01\_01** EMS Agency Number

**D04\_05** Personnel Level Permitted to Use the Procedure

### References in NHTSA Version 1

Desirable Element 58 Time of First CPR  
Desirable Element 63 Time of First Defibrillatory Shock  
Essential Element 78 Procedure or Treatment Name

### References to Other Databases

- NFIRS 5.0 EMS Module, Title: Procedures Used, Multi Select List: Airway Insertion = 01, Anti-Shock Trousers = 02, Assisted Ventilation = 03, Bleeding Control = 04, Burn Care = 05, Cardiac Pacing = 06, Cardioversion (defib), Manual = 07, Chest/Abdominal Thrust = 08, CPR = 09, Cricothyroidotomy = 10, Defibrillation by AED = 11, EKG Monitoring = 12, Extrication = 13, Intubation (EGTA) = 14, Intubation (ET) = 15, IO/IV Therapy = 16, Medications Therapy = 17, Oxygen Therapy = 18, Obstetrical Care/Delivery = 19, Pre-Arrival Instruction = 20, Restrained Patient = 21, Spinal Immobilization = 22, Splinted Extremities = 23, Suction/Aspirate = 24, Other Procedure = 00, No Treatment = NN

# MEDICATIONS GIVEN

D04\_06

**Data Format** [text] multiple-entry

## Definition

A list of all medications the agency has implemented and available for use

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>DemographicMedicationsGiven</i>
<b>Multiple Entry Configuration</b>	Yes, via structure	<b>Accepts Null</b>	No
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	2
		<b>Maximum Constraint</b>	30

XSD Structure: D04\_06 and D04\_07 are members of D04\_06\_0 Demographic Medication Structure

## Field Values

A unique value; no variable list is possible.

## Additional Information

- At this time a national drug index or coding scheme, which would allow for a single code to be assigned to a single drug, does not exist
- The Drug List may contain any generic or trade name of a drug approved by the FDA and administered by EMS. The medication is stored and passed via XML in a text format
- Used to create a list box for Medication Given (E18\_03) and Prior Aid (E09\_01)

## Uses

- Allows data to be sorted based on an agency's Medication capabilities
- Could be used to create a list box for Medication Given (E18\_03) and Prior Aid (E09\_01)
- Provides descriptive information when combined with an EMS Agency's Billing Status

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

<b>D01_01</b>	EMS Agency Number	<b>D04_07</b>	Personnel Level Permitted to Use the Medication
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## References in NHTSA Version 1

Essential Element 80 Medication Name

## References to Other Databases

- NFIRS 5.0 EMS Module, Title: Procedures Used, Multi Select List: Airway Insertion = 01, Anti-Shock Trousers = 02, Assisted Ventilation = 03, Bleeding Control = 04, Burn Care = 05, Cardiac Pacing = 06, Cardioversion (defib), Manual = 07, Chest/Abdominal Thrust = 08, CPR = 09, Cricothyroidotomy = 10, Defibrillation by AED = 11, EKG Monitoring = 12, Extrication = 13, Intubation (EGTA) = 14, Intubation (ET) = 15, IO/IV Therapy = 16, Medications Therapy = 17, Oxygen Therapy = 18, Obstetrical Care/Delivery = 19, Pre-Arrival Instruction = 20, Restrained Patient = 21, Spinal Immobilization = 22, Splinted Extremities = 23, Suction/Aspirate = 24, Other Procedure = 00, No Treatment = NN

**Data Format** [text] multiple-entry

## Definition

A list of all of the medical treatment protocols that the agency has in place and available for use. Specific Adult or Pediatric Protocols should be mapped to one of these topics if possible.

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>DemographicProtocolsUsed</i>
<b>Multiple Entry Configuration</b>	Yes, via structure	<b>Accepts Null</b>	No
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	2
		<b>Maximum Constraint</b>	30
XSD Structure: D04_08 and D04_09 are members of D04_08_0 Demographic Protocol Structure			
XSD Attributes: Status (Active or In-active) and Date are included as attributes			

## Field Values

<b>6720</b> Abdominal Pain	<b>6730</b> Airway
<b>6740</b> Airway-Failed	<b>6760</b> Airway-RSI
<b>6770</b> Allergic Reaction/Anaphylaxis	<b>6780</b> Altered Mental Status
<b>6785</b> AltitudeSickness	<b>6790</b> Asystole
<b>6791</b> Atrial Fibrillation	<b>6800</b> Back Pain
<b>6810</b> Behavioral	<b>6820</b> Bites and Envenomations
<b>6830</b> Bradycardia	<b>6840</b> Burns
<b>6850</b> Cardiac Arrest	<b>6860</b> Cardiac Chest Pain
<b>6870</b> Childbirth/Labor	<b>6875</b> Cold Exposure
<b>6880</b> Dental Problems	<b>6881</b> Device Malfunction
<b>6885</b> Diarrhea	<b>6890</b> Drowning/Near Drowning
<b>6892</b> Diving Emergencies	<b>6900</b> Electrical Injuries
<b>6910</b> Epistaxis	<b>6911</b> Exposure-Airway Irritants
<b>6912</b> Exposure-Biological/Infectious	<b>6913</b> Exposure-Blistering Agents
<b>6914</b> Exposure-Cyanide	<b>6915</b> Exposure-Nerve Agents
<b>6916</b> Exposure-Radiologic Agents	<b>6917</b> Exposure-Riot Control Agents
<b>6920</b> Extremity Trauma	<b>6925</b> Eye Trauma
<b>6930</b> Fever	<b>6935</b> Gynecologic Emergencies
<b>6940</b> Head Trauma	<b>6945</b> Hyperglycemia
<b>6950</b> Hypertension	<b>6960</b> Hyperthermia
<b>6965</b> Hypoglycemia	<b>6970</b> Hypotension/Shock (Non-Trauma)
<b>6980</b> Hypothermia	<b>6990</b> IV Access
<b>7000</b> Trauma-Multisystem	<b>7010</b> Newly Born
<b>7020</b> Obstetrical Emergencies	<b>7030</b> Overdose/Toxic Ingestion
<b>7040</b> Pain Control	<b>7130</b> Post Resuscitation
<b>7140</b> Pulmonary Edema	<b>7150</b> Pulseless Electrical Activity
<b>7160</b> Respiratory Distress	<b>7170</b> Seizure
<b>7175</b> Spinal Cord Trauma	<b>7180</b> Spinal Immobilization
<b>7190</b> Supraventricular Tachycardia	<b>7200</b> Stroke/TIA
<b>7210</b> Syncope	<b>7214</b> Trauma-Arrest
<b>7215</b> Trauma-Amputation	<b>7220</b> Universal Patient Care
<b>7230</b> Ventricular Fibrillation	<b>7232</b> Ventricular Ectopy
<b>7240</b> Ventricular Tachycardia	<b>7251</b> Vomiting

## Additional Information

- Can be used as a qualifying measure to compare care provided to protocol guidance
- If local systems have protocols which are not listed in the current values, additional protocols may be added as a text name. The text value should be stored and passed via the XML. This will allow expansion of the list to formally add new procedures over time. Please map all existing protocols to these coded protocol subjects as much as possible.

## Uses

- Allows data to be sorted based on an agency's Protocols
- Could be used to create a list box for Protocols Used (E17\_01)
- Provides description of EMS Agency's capabilities
- Provides descriptive information when combined with an EMS Agency's Billing Status

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

**D01\_01** EMS Agency Number

**D04\_09** Personnel Level Permitted to Use the Protocol

Data Format [text]

Definition

The state assigned licensure number (code) for each Hospital Served (D04\_11)

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>FacilityNumber</i>
<b>Multiple Entry Configuration</b>	Yes, via structure	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	2
		<b>Maximum Constraint</b>	30
XSD Structure: D04_11 and D04_12 are members of D04_11_0 Hospitals Served Structure			

Field Values

A unique value; no variable list is possible.	-25 Not Applicable
-10 Not Known	-5 Not Available

Additional Information

- Multiple entry configuration to create a list box for Incident Facility Code (E08\_08) and Destination Transferred to Code (E20\_02)
- This field could also provide linkage to Hospitals Serverd (D04\_11) which would allow a list box of Hospital Names to be used instead of entering the Code directly

Uses

- Could be used to create a list box (along with D04\_14) for Incident Facility Code (E08\_08) and Destination Transferred to Code (E20\_02)

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

<b>D01_01</b>	EMS Agency Number	<b>D04_11</b>	Hospitals Served
<b>E00</b>	Common Null Values		

# OTHER DESTINATIONS

D04\_13

**Data Format** [text] multiple-entry

**Definition**

A list of all destinations other than hospitals which an agency transports to or from

**XSD Data Type** *xs:string*                      **XSD Domain (Simple Type)** *FacilityName*  
**Multiple Entry Configuration**      Yes, via structure                      **Accepts Null**                      No  
**Required in XSD** No                      **Minimum Constraint** 2                      **Maximum Constraint** 50  
XSD Structure: D04\_13, D04\_14 and D04\_15 are members of D04\_13\_0 Other Destinations Structure

**Field Values**

A unique value; no variable list is possible.

**Additional Information**

- Multiple entry configuration used to create a list box for Destination/Transferred to (E20\_01) and Vehicle Dispatch Location (E02\_13)

**Uses**

- Could be used to create a list box (along with D04\_11) for Destination/ Transferred to (E20\_01) and Vehicle Dispatch Location (E02\_13)

**Data Collector**

- EMS Agency and typically only documented once then verified and updated yearly or when changed

**Other Associated Elements**

**D01\_01**    EMS Agency Number                      **D04\_14**    Destination Facility Number  
**D04\_15**    Destination Type

# DESTINATION FACILITY NUMBER

D04\_14

Data Format [text]

## Definition

The state assigned licensure number (code) for each Other Destination (D04\_13)

**XSD Data Type** *xs:string*

**XSD Domain (Simple Type)** *FacilityNumber*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes

**Required in XSD** No

**Minimum Constraint** 2

**Maximum Constraint** 30

XSD Structure: D04\_13, D04\_14 and D04\_15 are members of D04\_13\_0 Other Destinations Structure

## Field Values

A unique value; no variable list is possible.

-25 Not Applicable

-10 Not Known

-5 Not Available

## Additional Information

- Multiple entry configuration to create a list box for Incident Facility Code (E8\_08) and Destination Transferred to Code (E20\_02)
- This field could also provide linkage to Other Destinations (D04\_13) which would allow a list box of Other Destination Names to be used instead of entering the Code directly

## Uses

- Allows data to be sorted or grouped based on the EMS transports destination type
- Could be used to create a list box (along with D04\_12) for Incident Facility Code (E08\_08) and Destination Transferred to Code (E20\_02)

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

**D01\_01** EMS Agency Number

**D04\_13** Other Destinations

**D04\_15** Destination Type

**E00** Common Null Values

# DESTINATION TYPE

D04\_15

Data Format [combo] single-choice

## Definition

The type of facility associated with the Other Destination (D04\_13)

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *FacilityType*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** No

**Required in XSD** No

XSD Structure: D04\_13, D04\_14 and D04\_15 are members of D04\_13\_0 Other Destinations Structure

## Field Values

- 7270 Home

7290 Medical Office/Clinic

7320 Nursing Home

7340 Other EMS Responder (air)

7360 Police/Jail
- 7280 Hospital

7300 Morgue

7330 Other

7350 Other EMS Responder (ground)

## Additional Information

- Can be used to auto-fill Type of Destination (E20\_17) based on Other Destination (D04\_13) or Destination Facility Number (D04\_14)

## Uses

- Allows data to be sorted based on an agency's Destination Type
- Allows data to be sorted or grouped based on the EMS transports destination type
- Provides a component of a list box associated with Other Destinations (D04\_13)
- Provides description of EMS Agency’s Destination Types

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

- D01\_01 EMS Agency Number

D04\_13 Other Destinations
- D04\_14 Destination Facility Number

## References in NHTSA Version 1

Essential Element 44 Destination/Transferred To

# ***Agency Vehicle Information***

# UNIT/VEHICLE NUMBER

D06\_01

Data Format [text]

## Definition

The unique ID number of the unit which is specific for each vehicle; typically the VIN associated with the vehicle

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>VehicleNumber</i>
<b>Multiple Entry Configuration</b>	Yes, via structure	<b>Accepts Null</b>	No
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	2
		<b>Maximum Constraint</b>	50
XSD Structure: (1) Data Elements D06_01 through D06_10 are all within the Vehicle Information Structure			

## Field Values

A unique value; no variable list is possible.

## Additional Information

- Multiple Entry Configuration for D06\_01 through D06\_10

## Uses

- Allows data to be sorted based on an agency's Unit Number
- Provides geographic descriptive data on EMS agencies
- Used to create a list box for EMS Unit/Vehicle Number (E02\_11)

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

<b>D01_01</b>	EMS Agency Number	<b>D06_03</b>	Vehicle Type
<b>D06_04</b>	State Certification/Licensure Levels	<b>D06_05</b>	Number Of Each Personnel Level on the Vehicle Crew
<b>D06_06</b>	Vehicle Initial Cost	<b>D06_07</b>	Vehicle Model Year
<b>D06_08</b>	Year Miles/Hours Accrued	<b>D06_09</b>	Annual Vehicle Hours
<b>D06_10</b>	Annual Vehicle Miles		

## References in NHTSA Version 1

Essential Element 24 Agency/Unit Number

# VEHICLE TYPE

D06\_03

Data Format [combo] single-choice

## Definition

Vehicle type of unit (ambulance, fire, truck, etc.)

XSD Data Type *xs:integer* XSD Domain (Simple Type) *VehicleType*  
Multiple Entry Configuration Yes, via structure Accepts Null No

Required in XSD No

XSD Structure: (1) Data Elements D06\_01 through D06\_10 are all within the Vehicle Information Structure

## Field Values

7370 Ambulance	7380 ATV
7390 Bicycle	7400 Boat
7410 Fire Truck	7420 Fixed Wing
7430 Motorcycle	7440 Other
7450 Private Vehicle	7460 Quick Response Vehicle (Non-Transport Vehicle other than Fire Truck)
7470 Rescue	7480 Rotor Craft

## Uses

- Allows data to be sorted based on the Vehicle Type

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

D01_01 EMS Agency Number	D06_01 Unit/Vehicle Number
D06_04 State Certification/Licensure Levels	D06_05 Number Of Each Personnel Level on the Vehicle Crew
D06_06 Vehicle Initial Cost	D06_07 Vehicle Model Year
D06_08 Year Miles/Hours Accrued	D06_09 Annual Vehicle Hours
D06_10 Annual Vehicle Miles	

## References in NHTSA Version 1

Essential Element 25 Vehicle Type

# STATE CERTIFICATION/LICENSURE LEVELS

D06\_04

**Data Format** [combo] single-choice

## Definition

The personnel certification/licensure level of the vehicle crew member

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *StateCertificationLicensureLevels*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** No

**Required in XSD** No

**Minimum Constraint** 2

**Maximum Constraint** 30

XSD Structure: (1) Data Elements D06\_01 through D06\_10 are all within the Vehicle Information Structure. (2) D06\_04 and D06\_05 are members of D06\_04\_0 Vehicle Crew Structure

## Field Values

**6090** EMT-Basic

**6100** EMT-Intermediate

**6110** EMT-Paramedic

**6111** Nurse

**6112** Physician

**6120** First Responder

## Additional Information

- A list box created from State Certification/ Licensure Level (D04\_01)
- Multiple Entry Configuration for D06\_04 and D06\_05

## Uses

- Allows data to be grouped or compared by Vehicle Crew Configuration
- Allows data to be sorted based on an agency's Vehicle Crew Configuration

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

**D01\_01** EMS Agency Number

**D06\_01** Unit/Vehicle Number

**D06\_03** Vehicle Type

**D06\_05** Number Of Each Personnel Level on the Vehicle Crew

**D06\_06** Vehicle Initial Cost

**D06\_07** Vehicle Model Year

**D06\_08** Year Miles/Hours Accrued

**D06\_09** Annual Vehicle Hours

**D06\_10** Annual Vehicle Miles

# NUMBER OF EACH PERSONNEL LEVEL ON THE VEHICLE CREW

D06\_05

Data Format [number]

## Definition

The number of each personnel level associated with the vehicle crew.

XSD Data Type *xs:positiveInteger* XSD Domain (Simple Type) *NumberOfPersonnel*

Multiple Entry Configuration Yes, via structure Accepts Null No

Required in XSD No Minimum Constraint 1 Maximum Constraint 12

XSD Structure: (1) Data Elements D06\_01 through D06\_10 are all within the Vehicle Information Structure. (2) D06\_04 and D06\_05 are members of D06\_04\_0 Vehicle Crew Structure

## Field Values

A unique value; no variable list is possible.

## Additional Information

- Multiple Entry Configuration for D06\_04 and D06\_05

## Uses

- Allows data to be grouped or compared by Vehicle Crew Configuration
- Allows data to be sorted based on an agency's Vehicle Crew Configuration

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

D01_01	EMS Agency Number	D06_01	Unit/Vehicle Number
D06_03	Vehicle Type	D06_04	State Certification/Licensure Levels
D06_06	Vehicle Initial Cost	D06_07	Vehicle Model Year
D06_08	Year Miles/Hours Accrued	D06_09	Annual Vehicle Hours
D06_10	Annual Vehicle Miles		

**Data Format** [number]**Definition**

The year the vehicle was manufactured. This is defined by the year of the VIN, understanding that some parts of the vehicle may not be original.

**XSD Data Type** *xs:gYear***XSD Domain (Simple Type)** *VehicleYear***Multiple Entry Configuration** Yes, via structure**Accepts Null** No**Required in XSD** No**Minimum Constraint** 1,900 **Maximum Constraint** 2,030

XSD Structure: (1) Data Elements D06\_01 through D06\_10 are all within the Vehicle Information Structure

**Field Values**

A unique value; no variable list is possible.

**Additional Information**

- Format [YYYY]

**Uses**

- Provides description of EMS agencies and resources

**Data Collector**

- EMS Agency and typically only documented once then verified and updated yearly or when changed

**Other Associated Elements****D01\_01** EMS Agency Number**D06\_03** Vehicle Type**D06\_05** Number Of Each Personnel Level on the Vehicle Crew**D06\_08** Year Miles/Hours Accrued**D06\_10** Annual Vehicle Miles**D06\_01** Unit/Vehicle Number**D06\_04** State Certification/Licensure Levels**D06\_06** Vehicle Initial Cost**D06\_09** Annual Vehicle Hours

## \* ANNUAL VEHICLE HOURS

D06\_09

**Data Format** [number]

### Definition

The number of hours the vehicle was in service for the agency for the defined year.

**XSD Data Type** *xs:positiveInteger* **XSD Domain (Simple Type)** *VehicleHours*

**Multiple Entry Configuration** Yes, via structure **Accepts Null** Yes

**Required in XSD** No **Minimum Constraint** 1 **Maximum Constraint** 10,000

XSD Structure: (1) Data Elements D06\_01 through D06\_10 are all within the Vehicle Information Structure. (2) D06\_08, D06\_09, and D06\_10 are all members of D06\_08\_0 Vehicle Miles/Hours Structure

### Field Values

A unique value; no variable list is possible.

-25 Not Applicable

-10 Not Known

-5 Not Available

### Additional Information

- Depending on the vehicles measurement system, hours (D06\_09) or miles (D06\_10) should be provided as appropriate
- Used to identify the use of EMS vehicles over time.

### Uses

- Provides description of EMS agencies and resources

### Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

### Other Associated Elements

<b>D01_01</b>	EMS Agency Number	<b>D06_01</b>	Unit/Vehicle Number
<b>D06_03</b>	Vehicle Type	<b>D06_04</b>	State Certification/Licensure Levels
<b>D06_05</b>	Number Of Each Personnel Level on the Vehicle Crew	<b>D06_06</b>	Vehicle Initial Cost
<b>D06_07</b>	Vehicle Model Year	<b>D06_08</b>	Year Miles/Hours Accrued
<b>D06_10</b>	Annual Vehicle Miles	<b>E00</b>	Common Null Values

# \*ANNUAL VEHICLE MILES

D06\_10

**Data Format** [number]

## Definition

The number of miles the vehicle accumulated in service for the agency for the defined year (Odometer Reading)

**XSD Data Type** *xs:decimal*

**XSD Domain (Simple Type)** *AnnualOdometerReading*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes

**Required in XSD** No

**Minimum Constraint** 0

**Maximum Constraint** 1,000,000

XSD Structure: (1) Data Elements D06\_01 through D06\_10 are all within the Vehicle Information Structure. (2) D06\_08, D06\_09, and D06\_10 are all members of D06\_08\_0 Vehicle Miles/Hours Structure

## Field Values

A unique value; no variable list is possible.

-25 Not Applicable

-10 Not Known

-5 Not Available

## Additional Information

- Depending on the vehicles measurement system, hours (D06\_09) or miles (D06\_10) should be provided as appropriate
- Used to identify the use of EMS vehicles over time.

## Uses

- Provides description of EMS agencies and resources

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

**D01\_01** EMS Agency Number

**D06\_01** Unit/Vehicle Number

**D06\_03** Vehicle Type

**D06\_04** State Certification/Licensure Levels

**D06\_05** Number Of Each Personnel Level on the Vehicle Crew

**D06\_06** Vehicle Initial Cost

**D06\_07** Vehicle Model Year

**D06\_08** Year Miles/Hours Accrued

**D06\_09** Annual Vehicle Hours

**E00** Common Null Values

# ***Agency Personnel Information***

# STATE/LICENSE ID NUMBER

D07\_02

Data Format [text]

## Definition

The state certification/licensure ID number assigned to the crew member

**XSD Data Type** *xs:string*

**XSD Domain (Simple Type)** *StateLicensureID*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** No

**Required in XSD** Yes

**Minimum Constraint** 2

**Maximum Constraint** 15

XSD Structure: (1) All Section D07 data elements are associated with D07\_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07\_02 State Licensure Number Structure

## Field Values

A unique value; no variable list is possible.

## Additional Information

- This could be used to configure a list box which will display all of the values of an EMS Personnel's Name recorded in D08\_01 through D08\_03

## Uses

- Allows data to be sorted or grouped based on an Individual's State ID
- Used to create a list box for Crew Member ID (E04\_01), Medication Crew Member ID (E18\_09), Procedure Crew Member ID (E19\_09), and Who Generated this Report (E23\_10)

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

**D01\_01** EMS Agency Number

**D07\_01** Personnel's Agency ID Number

**D07\_03** Personnel's Employment Status

**D07\_04** Employment Status Date

**D07\_05** Personnel's Level of Certification/Licensure for Agency

**D07\_06** Date of Personnel's Certification or Licensure for Agency

**D08\_01** EMS Personnel's Last Name

## References in NHTSA Version 1

Essential Element 26 Crew Member One Number

Essential Element 27 Crew Member Two Number

Desirable Element 28 Crew Member Three Number

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\*PERSONNEL'S EMPLOYMENT STATUS

D07\_03

Data Format [combo] single-choice

Definition

Personnel's Employment Status for this Agency

XSD Data Type *xs:integer* XSD Domain (Simple Type) *EmploymentStatus*  
Multiple Entry Configuration Yes, via structure Accepts Null No

Required in XSD No

XSD Structure: (1) All Section D07 data elements are associated with D07\_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07\_02 State Licensure Number Structure. (3) D07\_03 and D07\_04 are members of D07\_03\_0 Employment Status Structure

Field Values

7490 Full Time Paid Employee 7500 Full Time Unpaid Employee  
7510 Part Time Paid and Part Time Unpaid Employee 7520 Part Time Paid Employee  
7530 Part Time Unpaid Employee

Additional Information

- Multiple entry configuration associated with Employment Status Date (D07\_04)

Uses

- Allows data to be sorted or grouped based on an Individual's Employment Status
- Provides description of EMS agencies and resources

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01_01	EMS Agency Number	D07_01	Personnel's Agency ID Number
D07_02	State/Licensure ID Number	D07_04	Employment Status Date
D07_05	Personnel's Level of Certification/Licensure for Agency	D07_06	Date of Personnel's Certification or Licensure for Agency

Data Format [date/time]

Definition

The date that the employee status was assigned

XSD Data Type	<i>xs:date</i>	XSD Domain (Simple Type)	<i>Date</i>
Multiple Entry Configuration	Yes, via structure	Accepts Null	No
Required in XSD	No	Minimum Constraint	1,920
		Maximum Constraint	2,030
XSD Structure: (1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure. (3) D07_03 and D07_04 are members of D07_03_0 Employment Status Structure			

Field Values

A unique value; no variable list is possible.

Additional Information

- Used to identify the effective date of the status

Uses

- Allows data to be sorted or grouped based on an Individual’s Employment Status
- Provides description of EMS agencies and resources

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01_01	EMS Agency Number	D07_01	Personnel's Agency ID Number
D07_02	State/Licensure ID Number	D07_03	Personnel's Employment Status
D07_05	Personnel's Level of Certification/Licensure for Agency	D07_06	Date of Personnel's Certification or Licensure for Agency

# PERSONNEL'S LEVEL OF CERTIFICATION/LICENSURE FOR AGENCY

D07\_05

**Data Format** [combo] single-choice

## Definition

Personnel's level of certification in this agency in the associated year

**XSD Data Type** *xs:string/integer* **XSD Domain (Simple Type)** *DemographicStateCertificationLicensureLevels*

**Multiple Entry Configuration** Yes, for Structures 1 and 3 **Accepts Null** No

**Required in XSD** No **Minimum Constraint** 2 **Maximum Constraint** 30

XSD Structure: (1) All Section D07 data elements are associated with D07\_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07\_02 State Licensure Number Structure. (3) D07\_05 and D07\_06 are members of D07\_05\_0 Level of Certification Structure

## Field Values

<b>6090</b> EMT-Basic	<b>6100</b> EMT-Intermediate
<b>6110</b> EMT-Paramedic	<b>6111</b> Nurse
<b>6112</b> Physician	<b>6120</b> First Responder

- Text as defined in D04\_01

## Additional Information

- Multiple entry configuration for each Personnel's Agency ID Number (D07\_01) and associated with the Date of Personnel's Certification or Licensure for Agency (D07\_06)
- Other variables as defined in State Certification/ Licensure Level (D04\_01)

## Uses

- Allows data to be sorted or grouped based on an Individual's Credentialed Level
- Provides description of EMS agencies and resources

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

<b>D01_01</b> EMS Agency Number	<b>D07_01</b> Personnel's Agency ID Number
<b>D07_02</b> State/Licensure ID Number	<b>D07_03</b> Personnel's Employment Status
<b>D07_04</b> Employment Status Date	<b>D07_06</b> Date of Personnel's Certification or Licensure for Agency

DATE OF PERSONNEL'S CERTIFICATION OR LICENSURE FOR AGENCY

D07\_06

Data Format [date/time]

Definition

The date that the Certification/Licensure was achieved

**XSD Data Type** *xs:date* **XSD Domain (Simple Type)** *Date*  
**Multiple Entry Configuration** Yes, for Structures 1 and 3 **Accepts Null** No  
**Required in XSD** No **Minimum Constraint** 1,920 **Maximum Constraint** 2,030  
XSD Structure: (1) All Section D07 data elements are associated with D07\_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07\_02 State Licensure Number Structure. (3) D07\_05 and D07\_06 are members of D07\_05\_0 Level of Certification Structure

Field Values

A unique value; no variable list is possible.

Additional Information

- Used to identify the year the Certification was achieved

Uses

- Allows data to be sorted or grouped based on an Individual’s Credentialed Level
- Provides description of EMS agencies and resources

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01_01	EMS Agency Number	D07_01	Personnel's Agency ID Number
D07_02	State/Licensure ID Number	D07_03	Personnel's Employment Status
D07_04	Employment Status Date	D07_05	Personnel's Level of Certification/Licensure for Agency

# ***General Personnel Information***

# EMS PERSONNEL'S LAST NAME

D08\_01

Data Format [text]

## Definition

Last Name of personnel

XSD Data Type *xs:string* XSD Domain (Simple Type) *DemographicLastName*

Multiple Entry Configuration Yes, via structure 2 Accepts Null No

Required in XSD No Minimum Constraint 2 Maximum Constraint 20

XSD Structure: (1) All Section D07 data elements are associated with D07\_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07\_02 State Licensure Number Structure. (3) D08\_01, D08\_02, and D08\_02 are members of D08\_01\_0 Personnel Name Structure

## Field Values

A unique value; no variable list is possible.

## Uses

- Component of the EMS Personnel's Contact Information/ Address
- Used to personalize reports associated with the EMS Personnel

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

D01_01	EMS Agency Number	D07_02	State/Licensure ID Number
D08_02	EMS Personnel's Middle Name/Initial	D08_03	EMS Personnel's First Name

# EMS PERSONNEL'S MIDDLE NAME/INITIAL

D08\_02

Data Format [text]

## Definition

Middle name or initial of personnel

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>MiddleInitialName</i>
<b>Multiple Entry Configuration</b>	Yes, via structure 2	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	1
		<b>Maximum Constraint</b>	20
XSD Structure: (1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure. (3) D08_01, D08_02, and D08_02 are members of D08_01_0 Personnel Name Structure			

## Field Values

A unique value; no variable list is possible.	-25 Not Applicable
-10 Not Known	-5 Not Available

## Uses

- Component of the EMS Personnel's Contact Information/ Address
- Used to personalize reports associated with the EMS Personnel

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

<b>D01_01</b>	EMS Agency Number	<b>D07_02</b>	State/Licensure ID Number
<b>D08_01</b>	EMS Personnel's Last Name	<b>D08_03</b>	EMS Personnel's First Name
<b>E00</b>	Common Null Values		

# EMS PERSONNEL'S FIRST NAME

D08\_03

Data Format [text]

## Definition

First name of personnel

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>FirstName</i>
<b>Multiple Entry Configuration</b>	Yes, via structure 2	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	1
		<b>Maximum Constraint</b>	20
XSD Structure: (1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure. (3) D08_01, D08_02, and D08_02 are members of D08_01_0 Personnel Name Structure			

## Field Values

A unique value; no variable list is possible.	-25 Not Applicable
-10 Not Known	-5 Not Available

## Uses

- Component of the EMS Personnel’s Contact Information/ Address
- Used to personalize reports associated with the EMS Personnel

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

<b>D01_01</b>	EMS Agency Number	<b>D07_02</b>	State/Licensure ID Number
<b>D08_01</b>	EMS Personnel's Last Name	<b>D08_02</b>	EMS Personnel's Middle Name/Initial
<b>E00</b>	Common Null Values		

Data Format [text]

Definition

Street or PO Box of the personnel's mailing address

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	<i>StreetAddress</i>
Multiple Entry Configuration	Yes, via structure 2	Accepts Null	Yes
Required in XSD	No	Minimum Constraint	2
		Maximum Constraint	30
XSD Structure: (1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure. (3) D08_04, D08_05, D08_06, D08_07 are members of D08_04_0 Personnel's Address Structure			

Field Values

A unique value; no variable list is possible.	-25 Not Applicable
-10 Not Known	-5 Not Available

Uses

- Component of the EMS Personnel’s Contact Information/ Address

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01_01	EMS Agency Number	D07_02	State/Licensure ID Number
D08_01	EMS Personnel's Last Name	D08_05	EMS Personnel's City of Residence
D08_06	EMS Personnel's State	D08_07	EMS Personnel's Zip Code
E00	Common Null Values		

Data Format [combo] single-choice

Definition

City of personnel's mailing address

XSD Data Type	xs:string	XSD Domain (Simple Type)	City
Multiple Entry Configuration	Yes, via structure 2	Accepts Null	Yes
Required in XSD	No	Minimum Constraint	2
		Maximum Constraint	30
XSD Structure: (1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure. (3) D08_04, D08_05, D08_06, D08_07 are members of D08_04_0 Personnel's Address Structure			

Field Values

- A unique value; no variable list is possible.
- 25 Not Applicable
- 10 Not Known
- 5 Not Available

Additional Information

- 5 digit FIPS code
- Could be filled in from EMS Personnel’s Zip Code entry (D08\_07)

Uses

- Component of the EMS Personnel’s Contact Information/ Address

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01_01	EMS Agency Number	D07_02	State/Licensure ID Number
D08_01	EMS Personnel's Last Name	D08_04	EMS Personnel's Mailing Address
D08_06	EMS Personnel's State	D08_07	EMS Personnel's Zip Code
E00	Common Null Values		

Data Format [combo] single-choice

Definition

State of personnel's mailing address

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	<i>State</i>
Multiple Entry Configuration	Yes, via structure 2	Accepts Null	Yes
Required in XSD	No	Minimum Constraint	2
		Maximum Constraint	3
XSD Structure: (1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure. (3) D08_04, D08_05, D08_06, D08_07 are members of D08_04_0 Personnel's Address Structure			

Field Values

- A unique value; no variable list is possible.
- 25 Not Applicable
- 10 Not Known
- 5 Not Available

Additional Information

- 2 digit FIPS numeric code (Not State abbreviation)
- Could be filled in from EMS Personnel’s Zip Code entry (D08\_07)

Uses

- Component of the EMS Personnel’s Contact Information/ Address

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01_01	EMS Agency Number	D07_02	State/Licensure ID Number
D08_01	EMS Personnel's Last Name	D08_04	EMS Personnel's Mailing Address
D08_05	EMS Personnel's City of Residence	D08_07	EMS Personnel's Zip Code
E00	Common Null Values		

Data Format [text]

Definition

ZIP code of personnel's mailing address

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>DemographicZip</i>
<b>Multiple Entry Configuration</b>	Yes, via structure 2	<b>Accepts Null</b>	No
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	5
		<b>Maximum Constraint</b>	10
XSD Structure: (1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure. (3) D08_04, D08_05, D08_06, D08_07 are members of D08_04_0 Personnel's Address Structure			

Field Values

A unique value; no variable list is possible.

Additional Information

- Can be a 5 or 9 digit Zip Code

Uses

- Component of the EMS Personnel’s Contact Information/ Address

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

<b>D01_01</b>	EMS Agency Number	<b>D07_02</b>	State/Licensure ID Number
<b>D08_01</b>	EMS Personnel's Last Name	<b>D08_04</b>	EMS Personnel's Mailing Address
<b>D08_05</b>	EMS Personnel's City of Residence	<b>D08_06</b>	EMS Personnel's State

Data Format [text]

Definition

Work phone number of the personnel

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	<i>TelephoneNumber</i>
Multiple Entry Configuration	Yes, via structure 2	Accepts Null	Yes
Required in XSD	No	Minimum Constraint	2
		Maximum Constraint	10
XSD Structure: (1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure			

Field Values

- A unique value; no variable list is possible.
- 10 Not Known

-25 Not Applicable

-5 Not Available

Additional Information

- 10 digit telephone number

Uses

- Component of the EMS Personnel's Contact Information/ Address

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01_01	EMS Agency Number	D07_02	State/Licensure ID Number
D08_01	EMS Personnel's Last Name	E00	Common Null Values

Data Format [text]

Definition

Home phone number of the personnel

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	<i>TelephoneNumber</i>
Multiple Entry Configuration	Yes, via structure 2	Accepts Null	Yes
Required in XSD	No	Minimum Constraint	2
		Maximum Constraint	10
XSD Structure: (1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure			

Field Values

A unique value; no variable list is possible.	-25 Not Applicable
-10 Not Known	-5 Not Available

Additional Information

- 10 digit telephone number

Uses

- Component of the EMS Personnel's Contact Information/ Address

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01_01	EMS Agency Number	D07_02	State/Licensure ID Number
D08_01	EMS Personnel's Last Name	E00	Common Null Values

EMS PERSONNEL'S EMAIL ADDRESS

D08\_10

Data Format [text]

Definition

Primary email address of the personnel

**XSD Data Type** *xs:string* **XSD Domain (Simple Type)** *EmailAddress*  
**Multiple Entry Configuration** Yes, via structure 2 **Accepts Null** Yes  
**Required in XSD** No **Minimum Constraint** 2 **Maximum Constraint** 100  
XSD Structure: (1) All Section D07 data elements are associated with D07\_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07\_02 State Licensure Number Structure

Field Values

A unique value; no variable list is possible. -25 Not Applicable  
-10 Not Known -5 Not Available

Uses

- Component of the EMS Personnel’s Contact Information/ Address

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01_01	EMS Agency Number	D07_02	State/Licensure ID Number
D08_01	EMS Personnel's Last Name	E00	Common Null Values

# EMS PERSONNEL'S DATE OF BIRTH

D08\_11

Data Format [date]

## Definition

The EMS personnel's date of birth.

**XSD Data Type** *xs:date* **XSD Domain (Simple Type)** *DateOfBirth*  
**Multiple Entry Configuration** Yes, via structure 2 **Accepts Null** No  
**Required in XSD** No **Minimum Constraint** 1,890 **Maximum Constraint** 2,030  
XSD Structure: (1) All Section D07 data elements are associated with D07\_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07\_02 State Licensure Number Structure

## Field Values

A unique value; no variable list is possible.

## Uses

- Allows the EMS workforce to be described in terms of Age

## Data Collector

- EMS Agency and typically only documented once and verified yearly

## Other Associated Elements

D01_01	EMS Agency Number	D07_02	State/Licensure ID Number
D08_01	EMS Personnel's Last Name		

# EMS PERSONNEL'S GENDER

D08\_12

Data Format [combo] single-choice

## Definition

The EMS personnel's gender

XSD Data Type *xs:integer* XSD Domain (Simple Type) *DemographicGender*  
Multiple Entry Configuration Yes, via structure 2 Accepts Null No

Required in XSD No

XSD Structure: (1) All Section D07 data elements are associated with D07\_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07\_02 State Licensure Number Structure

## Field Values

-25 Not Applicable -10 Not Known  
-5 Not Available 650 Male  
655 Female

## Uses

- Allows the EMS workforce to be described in terms of Gender

## Data Collector

- EMS Agency and typically only documented once and verified yearly

## Other Associated Elements

D01\_01 EMS Agency Number D07\_02 State/Licensure ID Number  
D08\_01 EMS Personnel's Last Name

# EMS PERSONNEL'S RACE

D08\_13

Data Format [combo] single-choice

## Definition

The EMS personnel's race as defined by the OMB (US Office of Management and Budget)

XSD Data Type *xs:integer* XSD Domain (Simple Type) *DemographicRace*  
Multiple Entry Configuration Yes, via structure 2 Accepts Null No

Required in XSD No  
XSD Structure: (1) All Section D07 data elements are associated with D07\_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07\_02 State Licensure Number Structure

## Field Values

660 American Indian or Alaska Native	665 Asian
670 Black or African American	675 Native Hawaiian or Other Pacific Islander
680 White	685 Other Race

## Uses

- Allows the EMS workforce to be described in terms of Race

## Data Collector

- EMS Agency and typically only documented once and verified yearly

## Other Associated Elements

D01_01 EMS Agency Number	D07_02 State/Licensure ID Number
D08_01 EMS Personnel's Last Name	

# EMS PERSONNEL'S ETHNICITY

D08\_14

Data Format [combo] single-choice

## Definition

The EMS personnel's ethnicity as defined by the OMB (US Office of Management and Budget)

XSD Data Type *xs:integer* XSD Domain (Simple Type) *DemographicEthnicity*  
Multiple Entry Configuration Yes, via structure 2 Accepts Null No

Required in XSD No

XSD Structure: (1) All Section D07 data elements are associated with D07\_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07\_02 State Licensure Number Structure

## Field Values

690 Hispanic or Latino 695 Not Hispanic or Latino

## Uses

- Allows the EMS workforce to be described in terms of Ethnicity

## Data Collector

- EMS Agency and typically only documented once and verified yearly

## Other Associated Elements

D01\_01 EMS Agency Number D07\_02 State/Licensure ID Number  
D08\_01 EMS Personnel's Last Name

# STATE EMS CERTIFICATION LICENSURE LEVEL

D08\_15

**Data Format** [combo] single-choice

## Definition

The personnel's State EMS Certification level

**XSD Data Type** *xs:string/integer* **XSD Domain (Simple Type)** *DemographicStateCertificationLicensureLevels*

**Multiple Entry Configuration** Yes, via structure 2 and 3 **Accepts Null** No

**Required in XSD** No **Minimum Constraint** 2 **Maximum Constraint** 30

XSD Structure: (1) All Section D07 data elements are associated with D07\_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07\_02 State Licensure Number Structure. (3) D08\_15, D08\_16, D08\_17, and D08\_19 are all members of D08\_15\_0 State Certification Levels Structure

## Field Values

<b>6090</b> EMT-Basic	<b>6100</b> EMT-Intermediate
<b>6110</b> EMT-Paramedic	<b>6111</b> Nurse
<b>6112</b> Physician	<b>6120</b> First Responder
• Text as defined in D04_01	

## Additional Information

- Multiple entry configuration to allow multiple levels for each personnel over time
- Other variables as defined in State Certification/ Licensure Level (D04\_01)

## Uses

- Allows data to be sorted or grouped based on an Individual's Credentialed Level
- Provides description of EMS agencies based on credentialing levels recognized by the state

## Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

## Other Associated Elements

<b>D01_01</b> EMS Agency Number	<b>D07_02</b> State/Licensure ID Number
<b>D08_01</b> EMS Personnel's Last Name	<b>D08_16</b> National Registry Credentialed
<b>D08_17</b> State EMS Current Certification Date	<b>D08_18</b> Initial State Certification Date

Data Format [combo] single-choice

Definition

Indication of National Registry Credential for the level of Certification/Licensure in D08\_15

XSD Data Type *xs:integer* XSD Domain (Simple Type) *YesNoValues*  
Multiple Entry Configuration Yes, via structure 2 and 3 Accepts Null Yes

Required in XSD No

XSD Structure: (1) All Section D07 data elements are associated with D07\_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07\_02 State Licensure Number Structure. (3) D08\_15, D08\_16, D08\_17, and D08\_19 are all members of D08\_15\_0 State Certification Levels Structure

Field Values

-25 Not Applicable -10 Not Known  
-5 Not Available 0 No  
1 Yes

Additional Information

- Multiple entry configuration to allow multiple levels for each personnel over time

Uses

- Allows a report at the EMS Agency level to determine credential details on EMS Personnel
- Provides description of EMS agencies based on credentialing levels recognized by the state

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01_01	EMS Agency Number	D07_02	State/Licensure ID Number
D08_01	EMS Personnel's Last Name	D08_15	State EMS Certification Licensure Level
D08_17	State EMS Current Certification Date	D08_18	Initial State Certification Date
E00	Common Null Values		

Data Format [date/time]

Definition

The date of the personnel's current certification.

XSD Data Type	xs:date	XSD Domain (Simple Type)	Date
Multiple Entry Configuration	Yes, via structure 2 and 3	Accepts Null	No
Required in XSD	No	Minimum Constraint	1,920
		Maximum Constraint	2,030
XSD Structure: (1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure. (3) D08_15, D08_16, D08_17, and D08_19 are all members of D08_15_0 State Certification Levels Structure			

Field Values

A unique value; no variable list is possible.

Additional Information

- Format [MMDDYYYY]
- Multiple entry configuration to allow multiple levels for each personnel over time

Uses

- Allows a report at the EMS Agency level to determine credential details on EMS Personnel
- Allows data to some descriptive reporting of EMS Personnel longevity

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01_01	EMS Agency Number	D07_02	State/Licensure ID Number
D08_01	EMS Personnel's Last Name	D08_15	State EMS Certification Licensure Level
D08_16	National Registry Credentialed	D08_18	Initial State Certification Date

Data Format [date/time]

Definition

The certification date of personnel's current State certification

XSD Data Type	<i>xs:date</i>	XSD Domain (Simple Type)	<i>Date</i>
Multiple Entry Configuration	Yes, via structure 2 and 3	Accepts Null	No
Required in XSD	No	Minimum Constraint	1,920
		Maximum Constraint	2,030
XSD Structure: (1) All Section D07 data elements are associated with D07_01 Personnel's Agency Number Structure. (2) All Section D08 data elements are associated with D07_02 State Licensure Number Structure. (3) D08_15, D08_16, D08_17, and D08_19 are all members of D08_15_0 State Certification Levels Structure			

Field Values

A unique value; no variable list is possible.

Additional Information

- Format [MMDDYYYY]
- Multiple entry configuration to allow multiple levels for each personnel over time

Uses

- Allows a report at the EMS Agency level to determine credential details on EMS Personnel
- Allows data to some descriptive reporting of EMS Personnel longevity

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

D01_01	EMS Agency Number	D07_02	State/Licensure ID Number
D08_01	EMS Personnel's Last Name	D08_15	State EMS Certification Licensure Level
D08_16	National Registry Credentialed	D08_17	State EMS Current Certification Date

# ***Common EMS Values***

**Data Format** [combo] single-choice

## Definition

These values are to be used in each of the Demographic and EMS Data Elements described in this document which have been defined to accept the E00 Null Values. Please include these variables in the implementation of the NHTSA Version 2 Dataset.

## Field Values

-25 Not Applicable	-20 Not Recorded
-15 Not Reporting	-10 Not Known
-5 Not Available	

## Additional Information

- For any collection of data to be of value and reliably represent what was intended, a strong commitment must be made to ensure the correct documentation of incomplete data. The described data integrity method must be followed with the NHTSA dataset. For data elements being electronically stored in a database or moved from one database to another using XML, the indicated values should be applied when a data element is empty or contains a null value.
- Not Applicable: (Code -25) = At the time of an EMS patient care report documentation, information requested was “Not Applicable” to the EMS or patient event. This indicates that it is unnecessary to document mechanism or injury related information on a patient who was not traumatized.
- Not Available: (Code -5) = At the time of an EMS patient care report documentation, information was “Not Available” to EMS personnel. This documents that needed information did exist but the EMS personnel was unsuccessful in their attempt to obtain it.
- Not Known: (Code -10) = At the time of an EMS patient care report documentation, information was “Not Known” to patient, family, and EMS personnel. This documents that there was an attempt to obtain information but it was unknown by all parties involved.
- Not Recorded: (Code -20) = If an EMS documentation or information system has an empty field or nothing is recorded in any data element of the NHTSA dataset, code “-20” should be inserted into the database and/or XML for that data element indicating that the EMS Patient Care Report did not have a value for that specific data element when the EMS event or patient encounter was documented.
- Not Reporting: (Code -15) = If an EMS documentation or information system is not using any of the "National" data elements of the NHTSA dataset, code “-15” should be inserted into the database and/or XML for that data element.

# ***Patient***

## ***Record Information***

# PATIENT CARE REPORT NUMBER

E01\_01

Data Format [text]

National Element

## Definition

The unique number automatically assigned by the EMS agency for each patient care report (PCR). This is a unique number to the EMS agency for all of time.

XSD Data Type	xs:string	XSD Domain (Simple Type)	PatientCareReportNumber
Multiple Entry Configuration	No	Accepts Null	No
Required in XSD	Yes	Minimum Constraint	3
		Maximum Constraint	32

## Field Values

A unique value; no variable list is possible.

## Additional Information

- Not Nullable. A unique value must be provided to create a unique record ID within a database

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Agency number (E02\_01), agency state (D01\_03),unit call sign (E02\_12), patient number (E01\_01) and date (E05\_04) combine to create a unique identifier

## Data Collector

- EMS agency or may be electronically provided through the 911 or dispatch center

## Other Associated Elements

E01\_01 Patient Care Report Number

## References in NHTSA Version 1

Desirable Element 23 Patient Care Record Number

## References to Other Databases

- NFIRS 5.0 EMS Module; Title: Patient Number; Unique Number

Data Format [text]

National Element

Definition

The name of the software vendor by whom the data collection software was developed

XSD Data Type	xs:string	XSD Domain (Simple Type)	SoftwareCreatedBy
Multiple Entry Configuration	No	Accepts Null	No
Required in XSD	Yes	Minimum Constraint	3
		Maximum Constraint	30

Field Values

A unique value; no variable list is possible.

Uses

- Important for grouping or comparing the accuracy of software used by EMS agencies in data collection

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

E01\_01 Patient Care Report Number

Data Format [text]

National Element

Definition

The name of the software package with which the data was collected by the agency

XSD Data Type	xs:string	XSD Domain (Simple Type)	SoftwareName
Multiple Entry Configuration	No	Accepts Null	No
Required in XSD	Yes	Minimum Constraint	3
		Maximum Constraint	30

Field Values

A unique value; no variable list is possible.

Uses

- Important for grouping or comparing the accuracy of software used by EMS agencies in data collection

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

E01\_01 Patient Care Report Number

Data Format [text]

National Element

Definition

The version of the software used by the agency to collect the data

XSD Data Type	xs:string	XSD Domain (Simple Type)	SoftwareVersion
Multiple Entry Configuration	No	Accepts Null	No
Required in XSD	Yes	Minimum Constraint	3
		Maximum Constraint	30

Field Values

A unique value; no variable list is possible.

Uses

- Important for grouping or comparing the accuracy of software used by EMS agencies in data collection

Data Collector

- EMS Agency and typically only documented once then verified and updated yearly or when changed

Other Associated Elements

E01\_01 Patient Care Report Number

# ***Unit/ Agency Information***

# EMS AGENCY NUMBER

E02\_01

**Data Format** [text]

*National Element*

## Definition

The state-assigned provider number of the responding agency

**XSD Data Type** *xs:string*

**XSD Domain (Simple Type)** *EMSAgencyNumber*

**Multiple Entry Configuration** No

**Accepts Null** No

**Required in XSD** Yes

**Minimum Constraint** 3

**Maximum Constraint** 15

## Field Values

A unique value; no variable list is possible.

## Additional Information

- Not Nullable. A unique value must be provided to create a unique record ID within a database
- Same as EMS Agency Number (D01\_01)

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Agency number (E02\_01), agency state (D01\_03), unit call sign (E02\_12), patient number (E01\_01) and date (E05\_04) combine to create a unique identifier
- Allows data to be sorted by the EMS Agency
- Important for grouping and comparing EMS Agencies in Benchmarking and Quality Management
- When linked to D01\_02 provides the Agency name on the EMS Medical Record: Patient Care Report

## Data Collector

- Typically generated by the State EMS Regulatory Office. Collected by the EMS agency or auto-generated by the EMS agency specific software.

## Other Associated Elements

E01\_01 Patient Care Report Number

## References to Other Databases

- NFIRS 5.0 EMS Module; Title: FDID; State assigned Fire Department ID number

# INCIDENT NUMBER

E02\_02

Data Format [text]

## Definition

The incident number assigned by the 911 Dispatch System

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>IncidentNumber</i>
<b>Multiple Entry Configuration</b>	No	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	2
		<b>Maximum Constraint</b>	15

## Field Values

- 25 Not Applicable
- 10 Not Known
  - Relevant Value for Data Element & Patient Care
- 5 Not Available

## Uses

- Component of the EMS Agency 911 or Dispatch information which serves as a link to identify and report other Dispatch information

## Data Collector

- 911 or Dispatch Center and electronically or verbally transmitted to the EMS agency

## Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
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## References in NHTSA Version 1

Essential Element 21 Incident Number

## References to Other Databases

- NFIRS 5.0 EMS Module; Title: Incident Number; Unique number for each Incident

Data Format [text]

Definition

The internal EMS response number which is unique for each EMS unit’s (vehicles) response to an incident within an agency.

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	<i>EMSUnitResponseNumber</i>
Multiple Entry Configuration	No	Accepts Null	Yes
Required in XSD	No	Minimum Constraint	1
		Maximum Constraint	15

Field Values

- 25 Not Applicable
- 5 Not Available
- 10 Not Known
  - Relevant Value for Data Element & Patient Care

Uses

- Component of the EMS Agency 911 or Dispatch information which serves as a link to identify and report other Dispatch information

Data Collector

- 911 or Dispatch Center and electronically or verbally transmitted to the EMS agency

Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
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References in NHTSA Version 1

Essential Element 22 Response Number

# TYPE OF SERVICE REQUESTED

E02\_04

Data Format [combo] single-choice

National Element

## Definition

The type of service or category of service requested of the EMS service responding for this specific EMS incident.

XSD Data Type	xs:integer	XSD Domain (Simple Type)	TypeOfServiceRequested
Multiple Entry Configuration	No	Accepts Null	No
Required in XSD	Yes		

## Field Values

30	911 Response (Scene)	35	Intercept
40	Interfacility Transfer	45	Medical Transport
50	Mutual Aid	55	Standby

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted by the Type of Service Requested
- Provides descriptive data on EMS call volume and service provided

## Data Collector

- EMS agency or may be electronically provided through the 911 or dispatch center

## Other Associated Elements

E01\_01 Patient Care Report Number

## References in NHTSA Version 1

Essential Element 20 Service Type

PRIMARY ROLE OF THE UNIT

E02\_05

Data Format [combo] single-choice

National Element

Definition

The primary role of the EMS service which was requested for this specific EMS incident.

XSD Data Type xs:integer XSD Domain (Simple Type) PrimaryRollOfTheUnit  
Multiple Entry Configuration No Accepts Null No  
Required in XSD Yes

Field Values

60 Non-Transport 65 Rescue  
70 Supervisor 75 Transport

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted by the role of the responder
- Provides descriptive data on EMS call volume and service provided

Data Collector

- EMS agency or may be electronically provided through the 911 or dispatch center

Other Associated Elements

E01\_01 Patient Care Report Number

# TYPE OF DISPATCH DELAY

E02\_06

**Data Format** [combo] multiple-choice

*National Element*

## Definition

The dispatch delays, if any, associated with the dispatch of the EMS unit to the patient encounter

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *TypeOfDispatchDelay*

**Multiple Entry Configuration** Yes

**Accepts Null** Yes

**Required in XSD** Yes

## Field Values

-25 Not Applicable

-10 Not Known

80 Caller (Uncooperative)

90 Language Barrier

100 No Units Available

110 Other

120 Technical Failure (Computer, Phone etc.)

-15 Not Reporting

-5 Not Available

85 High Call Volume

95 Location (Inability to Obtain)

105 None

115 Scene Safety (Not Secure for EMS)

## Uses

- Allows data to describe the status of Dispatch issues

## Data Collector

- 911 or Dispatch Center and electronically or verbally transmitted to the EMS agency

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

## References in NHTSA Version 1

Desirable Element 56 Factors Affecting EMS Delivery of Care

TYPE OF RESPONSE DELAY

E02\_07

Data Format [combo] multiple-choice

National Element

Definition

The response delays, if any, of the unit associated with the patient encounter

XSD Data Type	xs:integer	XSD Domain (Simple Type)	TypeOfResponseDelay
Multiple Entry Configuration	Yes	Accepts Null	Yes
Required in XSD	Yes		

Field Values

- |                    |                     |
|--------------------|---------------------|
| -25 Not Applicable | -15 Not Reporting   |
| -10 Not Known      | -5 Not Available    |
| 125 Crowd          | 130 Directions      |
| 135 Distance       | 140 Diversion       |
| 145 HazMat         | 150 None            |
| 155 Other          | 160 Safety          |
| 165 Staff Delay    | 170 Traffic         |
| 175 Vehicle Crash  | 180 Vehicle Failure |
| 185 Weather        |                     |

Uses

- Allows data describe Vehicle Failures and Vehicle Crashes
- Allows data to describe the status of Response issues

Data Collector

- EMS personnel

Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
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References in NHTSA Version 1

Desirable Element 56 Factors Affecting EMS Delivery of Care

TYPE OF SCENE DELAY

E02\_08

Data Format [combo] multiple-choice

National Element

Definition

The scene delays, if any, of the unit associated with the patient encounter

XSD Data Type	xs:integer	XSD Domain (Simple Type)	TypeOfSceneDelay
Multiple Entry Configuration	Yes	Accepts Null	Yes
Required in XSD	Yes		

Field Values

- |                          |                     |
|--------------------------|---------------------|
| -25 Not Applicable       | -15 Not Reporting   |
| -10 Not Known            | -5 Not Available    |
| 190 Crowd                | 195 Directions      |
| 200 Distance             | 205 Diversion       |
| 210 Extrication >20 min. | 215 HazMat          |
| 220 Language Barrier     | 225 None            |
| 230 Other                | 235 Safety          |
| 240 Staff Delay          | 245 Traffic         |
| 250 Vehicle Crash        | 255 Vehicle Failure |
| 260 Weather              |                     |

Uses

- Allows data describe Vehicle Failures and Vehicle Crashes
- Allows data to describe the status of Scene issues

Data Collector

- EMS personnel

Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
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References in NHTSA Version 1

Desirable Element 56 Factors Affecting EMS Delivery of Care

# TYPE OF TRANSPORT DELAY

E02\_09

Data Format [combo] multiple-choice

National Element

## Definition

The transport delays, if any, of the unit associated with the patient encounter

XSD Data Type	xs:integer	XSD Domain (Simple Type)	TypeOfTransportDelay
Multiple Entry Configuration	Yes	Accepts Null	Yes
Required in XSD	Yes		

## Field Values

-25 Not Applicable	-15 Not Reporting
-10 Not Known	-5 Not Available
265 Crowd	270 Directions
275 Distance	280 Diversion
285 HazMat	290 None
295 Other	300 Safety
305 Staff Delay	310 Traffic
315 Vehicle Crash	320 Vehicle Failure
325 Weather	

## Uses

- Allows data describe Vehicle Failures and Vehicle Crashes
- Allows data to describe the status of Transport issues

## Data Collector

- EMS personnel

## Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
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## References in NHTSA Version 1

Desirable Element 56 Factors Affecting EMS Delivery of Care

# TYPE OF TURN-AROUND DELAY

E02\_10

**Data Format** [combo] multiple-choice

*National Element*

## Definition

The turn-around delays, if any, associated with the EMS unit associated with the patient encounter

<b>XSD Data Type</b>	<i>xs:integer</i>	<b>XSD Domain (Simple Type)</b>	<i>TypeOfTurnAroundDelay</i>
<b>Multiple Entry Configuration</b>	Yes	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	Yes		

## Field Values

-25 Not Applicable	-15 Not Reporting
-10 Not Known	-5 Not Available
330 Clean-up	335 Decontamination
340 Documentation	345 ED Overcrowding
350 Equipment Failure	355 Equipment Replenishment
360 None	365 Other
370 Staff Delay	375 Vehicle Failure

## Uses

- Allows data describe ED overcrowding and Vehicle Failure
- Allows data to describe the status of call time issues

## Data Collector

- EMS personnel

## Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
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Data Format [combo] single-choice

Definition

The unique physical vehicle number of the responding unit

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	<i>EMSUnitNumber</i>
Multiple Entry Configuration	No	Accepts Null	Yes
Required in XSD	No	Minimum Constraint	2
		Maximum Constraint	30

Field Values

- 25 Not Applicable
- 5 Not Available
- 10 Not Known
  - Relevant Value for Data Element & Patient Care

Additional Information

- List box created from EMS Unit/Vehicle Number (D06\_01)

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data at the vehicle level to better describe EMS vehicle usage and possibly maintenance
- Important for grouping or comparing data by Response Vehicle which also allows data to be sorted by location in many agencies

Data Collector

- EMS agency or may be electronically provided through the 911 or dispatch center

Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
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References in NHTSA Version 1

Essential Element 24 Agency/Unit Number

# EMS UNIT CALL SIGN (RADIO NUMBER)

E02\_12

**Data Format** [combo] single-choice

*National Element*

## Definition

The EMS unit number used to dispatch and communicate with the unit. This may be the same as the EMS Unit/Vehicle Number in many agencies.

**XSD Data Type** *xs:string*

**XSD Domain (Simple Type)** *EMSUnitCallSign*

**Multiple Entry Configuration** No

**Accepts Null** No

**Required in XSD** Yes

**Minimum Constraint** 2

**Maximum Constraint** 15

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- List box created from Unit Call Sign (D04\_02)
- Not Nullable. A unique value must be provided to create a unique record ID within a database

## Uses

- Allows data at the vehicle level to better describe EMS vehicle usage and possibly maintenance
- Important for grouping or comparing data by Response Vehicle which also allows data to be sorted by location in many agencies

## Data Collector

- EMS agency or may be electronically provided through the 911 or dispatch center

## Other Associated Elements

E01\_01 Patient Care Report Number

# BEGINNING ODOMETER READING OF RESPONDING VEHICLE

E02\_16

**Data Format** [number]

## Definition

The mileage (odometer reading) of the vehicle at the beginning of the call (when the wheels begin moving)

**XSD Data Type** *xs:decimal*

**XSD Domain (Simple Type)** *OdometerReading*

**Multiple Entry Configuration** No

**Accepts Null** No

**Required in XSD** No

**Minimum Constraint** 0

**Maximum Constraint** 1,000,000

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- Number recorded with one digit to the right of decimal

## Uses

- Important for EMS billing
- Important for grouping or comparing data by dispatch location which also allows data to be sorted by geographic response areas in many agencies
- Provides information on overall response patterns and times for agency configuration and evaluation

## Data Collector

- EMS personnel

## Other Associated Elements

E01\_01 Patient Care Report Number

# ON-SCENE ODOMETER READING OF RESPONDING VEHICLE

E02\_17

**Data Format** [number]

## Definition

The mileage (odometer reading) of the vehicle when it arrives at the patient

**XSD Data Type** *xs:decimal*

**XSD Domain (Simple Type)** *OdometerReading*

**Multiple Entry Configuration** No

**Accepts Null** No

**Required in XSD** No

**Minimum Constraint** 0

**Maximum Constraint** 1,000,000

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- Number recorded with one digit to the right of decimal

## Uses

- Important for EMS billing
- Important for grouping or comparing data by dispatch location which also allows data to be sorted by geographic response areas in many agencies
- Provides information on overall response patterns and times for agency configuration and evaluation

## Data Collector

- EMS personnel

## Other Associated Elements

E01\_01 Patient Care Report Number

# PATIENT DESTINATION ODOMETER READING OF RESPONDING VEHICLE

E02\_18

**Data Format** [number]

## Definition

The mileage (odometer reading) of the vehicle when it arrives at the patient's destination

**XSD Data Type** *xs:decimal*

**XSD Domain (Simple Type)** *OdometerReading*

**Multiple Entry Configuration** No

**Accepts Null** No

**Required in XSD** No

**Minimum Constraint** 0

**Maximum Constraint** 1,000,000

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- Number recorded with one digit to the right of decimal

## Uses

- Important for EMS billing
- Important for grouping or comparing data by dispatch location which also allows data to be sorted by geographic response areas in many agencies
- Provides information on overall response patterns and times for agency configuration and evaluation

## Data Collector

- EMS personnel

## Other Associated Elements

E01\_01 Patient Care Report Number

# ENDING ODOMETER READING OF RESPONDING VEHICLE

E02\_19

**Data Format** [number]

## Definition

The ending mileage (odometer reading) of the vehicle (at time back in service)

**XSD Data Type** *xs:decimal*

**XSD Domain (Simple Type)** *OdometerReading*

**Multiple Entry Configuration** No

**Accepts Null** No

**Required in XSD** No

**Minimum Constraint** 0

**Maximum Constraint** 1,000,000

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- Number recorded with one digit to the right of decimal

## Uses

- Important for EMS billing
- Important for grouping or comparing data by dispatch location which also allows data to be sorted by geographic response areas in many agencies
- Provides information on overall response patterns and times for agency configuration and evaluation

## Data Collector

- EMS personnel

## Other Associated Elements

E01\_01 Patient Care Report Number

# RESPONSE MODE TO SCENE

E02\_20

**Data Format** [combo] single-choice

*National Element*

## Definition

Indication whether or not lights and/or sirens were used on the vehicle on the way to the scene

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *ResponseModeToScene*

**Multiple Entry Configuration** No

**Accepts Null** No

**Required in XSD** Yes

## Field Values

**380** Initial Lights and Sirens, Downgraded to No Lights or Sirens

**385** Initial No Lights or Sirens, Upgraded to Lights and Sirens

**390** Lights and Sirens

**395** No Lights or Sirens

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted by the Response Mode
- Allows data to describe the use of emergent response

## Data Collector

- EMS agency or may be electronically provided through the 911 or dispatch center

## Other Associated Elements

**E01\_01** Patient Care Report Number

## References in NHTSA Version 1

Essential Element 19 Lights and Sirens to Scene

# ***Unit/ Call Information***

# COMPLAINT REPORTED BY DISPATCH

E03\_01

**Data Format** [combo] single-choice

*National Element*

## Definition

The complaint dispatch reported to the responding unit.

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *ComplaintReportedByDispatch*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** Yes

## Field Values

-25 Not Applicable	-15 Not Reporting
-10 Not Known	-5 Not Available
400 Abdominal Pain	405 Allergies
410 Animal Bite	415 Assault
420 Back Pain	425 Breathing Problem
430 Burns	435 CO Poisoning/Hazmat
440 Cardiac Arrest	445 Chest Pain
450 Choking	455 Convulsions/Seizure
460 Diabetic Problem	465 Drowning
470 Electrocutation	475 Eye Problem
480 Fall Victim	485 Headache
490 Heart Problems	495 Heat/Cold Exposure
500 Hemorrhage/Laceration	505 Industrial Accident/Inaccessible Incident/Other Entrapments (non-vehicle)
510 Ingestion/Poisoning	515 Pregnancy/Childbirth
520 Psychiatric Problem	525 Sick Person
530 Stab/Gunshot Wound	535 Stroke/CVA
540 Traffic Accident	545 Traumatic Injury
550 Unconscious/Fainting	555 Unknown Problem Man Down
560 Transfer/Interfacility/Palliative Care	565 MCI (Mass Casualty Incident)

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted by the Dispatch Complaint
- Allows data to describe Patient Complaint as reported by Dispatch

## Data Collector

- 911 or Dispatch Center and electronically or verbally transmitted to the EMS agency

## Other Associated Elements

E00 Common Null Values

E01\_01 Patient Care Report Number

## References to Other Databases

NHTSA EMD Data Elements Chief Complaint Types

EMD PERFORMED

E03\_02

Data Format [combo] single-choice

National Element

Definition

Indication of whether EMD was performed for this EMS event.

XSD Data Type	xs:integer	XSD Domain (Simple Type)	EMDPerformed
Multiple Entry Configuration	No	Accepts Null	Yes
Required in XSD	Yes		

Field Values

-25	Not Applicable	-15	Not Reporting
-10	Not Known	-5	Not Available
0	No	570	Yes, With Pre-Arrival Instructions
575	Yes, Without Pre-Arrival Instructions		

Uses

- Allows data to be sorted by the Dispatch Complaint
- Allows data to describe Patient Complaint as reported by Dispatch

Data Collector

- 911 or Dispatch Center and electronically or verbally transmitted to the EMS agency

Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
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# ***Unit/ Personnel Information***

# CREW MEMBER ID

E04\_01

**Data Format** [text]

## Definition

The State Certification/Licensure ID number assigned to the crew member

**XSD Data Type** *xs:string*

**XSD Domain (Simple Type)** *CrewMemberID*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes

**Required in XSD** No

**Minimum Constraint** 2

**Maximum Constraint** 15

XSD Structure: E04\_01, E04\_02, E04\_03 are all members of the E04 Unit Personnel Information structure

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

- Relevant Value for Data Element & Patient Care

## Additional Information

- A multiple entry configuration to allow all crew members to be entered
- Linked to State/Licensure ID Number (D07\_02)
- List box created from the State/ Licensure ID Number (D07\_02) which could display the Personnel's Names as associated with D08\_01, D08\_02, and D08\_03 for easy data entry

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Associates an EMS event with specific EMS personnel
- Useful for reporting EMS personnel statistics related to EMS events and evaluation of EMS personnel performance

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

**E04\_02** Crew Member Role

**E04\_03** Crew Member Level

## References in NHTSA Version 1

Essential Element 26 Crew Member One Number

Essential Element 27 Crew Member Two Number

Desirable Element 28 Crew Member Three Number

# CREW MEMBER ROLE

E04\_02

Data Format [combo] single-choice

## Definition

- The role of the crew member during transport of this call.
- Driver is defined as the driver during the time of patient transport or during the response if there was not transport required.
  - Primary Patient Care Giver is defined as the individual responsible for the patient care during the transport of the patient, or if no transport, the individual responsible for the assessment and treatment of the patient on scene.
  - Secondary Patient Care Giver is defined as the individual assisting the Primary Patient Care Giver.
  - Third Patient Care Giver is defined as the individual assisting in the Primary and Secondary Patient Care Givers.

<b>XSD Data Type</b>	<i>xs:integer</i>	<b>XSD Domain (Simple Type)</b>	<i>CrewMemberRole</i>
<b>Multiple Entry Configuration</b>	Yes, via structure	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No		
XSD Structure: E04_01, E04_02, E04_03 are all members of the E04 Unit Personnel Information structure			

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	580	Driver
585	Primary Patient Caregiver	590	Secondary Patient Caregiver
595	Third Patient Caregiver	600	Other

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Associates an EMS event with specific EMS personnel
- Useful for reporting EMS personnel statistics related to EMS events and evaluation of EMS personnel performance

## Data Collector

- EMS personnel

## Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
E04_01	Crew Member ID	E04_03	Crew Member Level

# CREW MEMBER LEVEL

E04\_03

**Data Format** [combo] single-choice

## Definition

The functioning level of the crew member during this EMS patient encounter.

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *CrewMemberLevel*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes

**Required in XSD** No

XSD Structure: E04\_01, E04\_02, E04\_03 are all members of the E04 Unit Personnel Information structure

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	635	Student
640	Other Healthcare Professional	645	Other Non-Healthcare Professional
6090	EMT-Basic	6100	EMT-Intermediate
6110	EMT-Paramedic	6111	Nurse
6112	Physician	6120	First Responder

## Additional Information

- Could be auto-filled using Crew Member ID (E04\_01) and connecting to State/ Licensure ID Number (D07\_02) to obtain Personnel's Highest Level of Certification/ Licensure for Agency (D07\_05)
- This list can be edited by each state to account for additional certification/ licensure levels as defined in (D04\_01) and Personnel's Highest Level of Certification/ Licensure for the Agency (D07\_05)

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Associates an EMS event with specific EMS personnel
- Useful for reporting EMS personnel statistics related to EMS events and evaluation of EMS personnel performance

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

**E04\_01** Crew Member ID

**E04\_02** Crew Member Role

## References in NHTSA Version 1

Essential Element 29 Crew Member One Type

Essential Element 30 Crew Member Two Type

Desirable Element 31 Crew Member Three Type

## References to Other Databases

- **NFIRS 5.0** EMS Module, Title: Highest Level of Provider on Scene by Fire Department, Pick-List: First Responder = 1, EMT-B (Basic) = 2, EMT-I (Intermediate) = 3, EMT-P (Paramedic) = 4, Other Health Care Provider, Include Doctors, Nurses = O, No Care Provided = N
- **NFIRS 5.0** EMS Module; Title: Initial Level of FD Provider; Pick-List: First Responder = 1, EMT-B (Basic) = 2, EMT-I (Intermediate) = 3, EMT-P (Paramedic) = 4, Other Health Care Provider, Includes Doctors, Nurses, etc. = O, No Training = N

***Times***

# INCIDENT OR ONSET DATE/TIME

E05\_01

**Data Format** [date/time]

## Definition

The date/time the injury occurred, or the date/time the symptoms or problem started

**XSD Data Type** *xs:dateTime*

**XSD Domain (Simple Type)** *DateTime*

**Multiple Entry Configuration** No

**Accepts Null**

Yes, but null value is blank or empty

**Required in XSD** No

**Minimum Constraint** 1,990

**Maximum Constraint** 2,030

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used

## Uses

- Important to identify when the clinical event started to better analyze EMS resource utilization and outcomes
- Provides descriptive information on the use of the EMS agency

## Data Collector

- 911 or Dispatch Center and electronically or verbally transmitted to the EMS agency

## Other Associated Elements

E01\_01 Patient Care Report Number

## References in NHTSA Version 1

Desirable Element 06 Onset Date

Desirable Element 07 Onset Time

## References to Other Databases

- NFIRS 5.0 Basic Module 1; Title: Incident Date; Date Field defined as YYYYMMDD or blank

# PSAP CALL DATE/TIME

E05\_02

**Data Format** [date/time]

*National Element*

## Definition

The date/time the phone rings (911 call to public safety answering point or other designated entity) requesting EMS services.

**XSD Data Type** *xs:dateTime*

**XSD Domain (Simple Type)** *DateTime*

**Multiple Entry Configuration** No

**Accepts Null** Yes, but null value is blank or empty

**Required in XSD** Yes

**Minimum Constraint** 1,990

**Maximum Constraint** 2,030

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on Date and Time
- Allows data to describe EMS use by Date and Time, Day of the Week, etc

## Data Collector

- 911 or Dispatch Center and electronically or verbally transmitted to the EMS agency

## Other Associated Elements

E01\_01 Patient Care Report Number

## References in NHTSA Version 1

Essential Element 08 Date Incident Reported

Essential Element 09 Time Incident Reported

## References to Other Databases

- NFIRS 5.0 EMS Module; Title: Incident Date; The date the Fire Department received the incident alarm

# DISPATCH NOTIFIED DATE/TIME

E05\_03

Data Format [date/time]

## Definition

The date/time dispatch was notified by the 911 call taker (if a separate entity)

<b>XSD Data Type</b>	<i>xs:dateTime</i>	<b>XSD Domain (Simple Type)</b>	<i>DateTime</i>
<b>Multiple Entry Configuration</b>	No	<b>Accepts Null</b>	Yes, but null value is blank or empty
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	1,990
		<b>Maximum Constraint</b>	2,030

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used

## Uses

- Provides information on how EMS requests are progressing through the PSAP and Dispatch Centers
- Used in the Quality Management evaluation of the PSAP and Dispatch Centers

## Data Collector

- 911 or Dispatch Center and electronically or verbally transmitted to the EMS agency

## Other Associated Elements

E01\_01 Patient Care Report Number

## References in NHTSA Version 1

Essential Element 10 Time Dispatch Notified

# UNIT NOTIFIED BY DISPATCH DATE/TIME

E05\_04

**Data Format** [date/time]

*National Element*

## Definition

The date the responding unit was notified by dispatch

**XSD Data Type** *xs:dateTime*

**XSD Domain (Simple Type)** *DateTime*

**Multiple Entry Configuration** No

**Accepts Null** No

**Required in XSD** Yes

**Minimum Constraint** 1,990

**Maximum Constraint** 2,030

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used
- Not Nullable. A unique value must be provided to create a unique record ID within a database

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on EMS agency time intervals
- Allows data to describe EMS agency time intervals

## Data Collector

- 911 or Dispatch Center and electronically or verbally transmitted to the EMS agency

## Other Associated Elements

E01\_01 Patient Care Report Number

## References in NHTSA Version 1

Essential Element 11 Date Unit Notified

Essential Element 12 Time Unit Notified

# UNIT EN ROUTE DATE/TIME

E05\_05

**Data Format** [date/time]

*National Element*

## Definition

The date/time the unit responded; that is, the time the vehicle started moving

**XSD Data Type** *xs:dateTime*

**XSD Domain (Simple Type)** *DateTime*

**Multiple Entry Configuration** No

**Accepts Null** Yes, but null value is blank or empty

**Required in XSD** Yes

**Minimum Constraint** 1,990

**Maximum Constraint** 2,030

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on EMS agency time intervals
- Allows data to describe EMS agency time intervals

## Data Collector

- 911 or Dispatch Center and electronically or verbally transmitted to the EMS agency

## Other Associated Elements

E01\_01 Patient Care Report Number

## References in NHTSA Version 1

Essential Element 13 Time Unit Responding

# UNIT ARRIVED ON SCENE DATE/TIME

E05\_06

**Data Format** [date/time]

*National Element*

## Definition

The date/time the responding unit arrived on the scene; that is, the time the vehicle stopped moving

**XSD Data Type** *xs:dateTime*

**XSD Domain (Simple Type)** *DateTime*

**Multiple Entry Configuration** No

**Accepts Null**

Yes, but null value is blank or empty

**Required in XSD** Yes

**Minimum Constraint** 1,990

**Maximum Constraint** 2,030

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on EMS agency time intervals
- Allows data to describe EMS agency time intervals

## Data Collector

- 911 or Dispatch Center and electronically or verbally transmitted to the EMS agency

## Other Associated Elements

E01\_01 Patient Care Report Number

## References in NHTSA Version 1

Essential Element 14 Time of Arrival at Scene

# ARRIVED AT PATIENT DATE/TIME

E05\_07

**Data Format** [date/time]

*National Element*

## Definition

The date/time the responding unit arrived at the patient's side

**XSD Data Type** *xs:dateTime*

**XSD Domain (Simple Type)** *DateTime*

**Multiple Entry Configuration** No

**Accepts Null** Yes, but null value is blank or empty

**Required in XSD** Yes

**Minimum Constraint** 1,990

**Maximum Constraint** 2,030

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used

## Uses

- Provides more accurate information on the true response time of EMS to the patient’s side
- Used in Quality Management evaluation of EMS response and performance especially in areas where patient location may be distant from the EMS vehicle

## Data Collector

- 911 or Dispatch Center and electronically or verbally transmitted to the EMS agency

## Other Associated Elements

**E01\_01** Patient Care Report Number

## References in NHTSA Version 1

Essential Element 15 Time of Arrival at Patient

## References to Other Databases

- NFIRS 5.0 EMS Module; Title: Date/Time Arrived; The date and time fire fighters arrived at the patient.

# TRANSFER OF PATIENT CARE DATE/TIME

E05\_08

**Data Format** [date/time]

## Definition

The date/time the patient was transferred from this EMS agency to another EMS agency for care.

**XSD Data Type** *xs:dateTime*

**XSD Domain (Simple Type)** *DateTime*

**Multiple Entry Configuration** No

**Accepts Null** Yes, but null value is blank or empty

**Required in XSD** No

**Minimum Constraint** 1,990

**Maximum Constraint** 2,030

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used

## Uses

- Important for Quality Management when the patient is cared for by more than one EMS agency
- Provides documentation of how the patient progresses through the EMS agency

## Data Collector

- 911 or Dispatch Center and electronically or verbally transmitted to the EMS agency

## Other Associated Elements

**E01\_01** Patient Care Report Number

## References to Other Databases

- NFIRS 5.0 EMS Module; Title: Date/Time Transfer; The date and time fire fighters transferred the care of the patient to another EMS agency.

# UNIT LEFT SCENE DATE/TIME

E05\_09

**Data Format** [date/time]

*National Element*

## Definition

The date/time the responding unit left the scene (started moving)

**XSD Data Type** *xs:dateTime*

**XSD Domain (Simple Type)** *DateTime*

**Multiple Entry Configuration** No

**Accepts Null**

Yes, but null value is blank or empty

**Required in XSD** Yes

**Minimum Constraint** 1,990

**Maximum Constraint** 2,030

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on EMS agency time intervals
- Allows data to describe EMS agency time intervals

## Data Collector

- 911 or Dispatch Center and electronically or verbally transmitted to the EMS agency

## Other Associated Elements

E01\_01 Patient Care Report Number

## References in NHTSA Version 1

Essential Element 16 Time Unit Left Scene

# PATIENT ARRIVED AT DESTINATION DATE/TIME

E05\_10

**Data Format** [date/time]

*National Element*

## Definition

The date/time the responding unit arrived with the patient at the destination or transfer point

**XSD Data Type** *xs:dateTime*

**XSD Domain (Simple Type)** *DateTime*

**Multiple Entry Configuration** No

**Accepts Null**

Yes, but null value is blank or empty

**Required in XSD** Yes

**Minimum Constraint** 1,990

**Maximum Constraint** 2,030

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on EMS agency time intervals
- Allows data to describe EMS agency time intervals

## Data Collector

- 911 or Dispatch Center and electronically or verbally transmitted to the EMS agency

## Other Associated Elements

E01\_01 Patient Care Report Number

## References in NHTSA Version 1

Essential Element 17 Time of Arrival at Destination

# UNIT BACK IN SERVICE DATE/TIME

E05\_11

**Data Format** [date/time]

*National Element*

## Definition

The date/time the unit back was back in service and available for response (finished with call, but not necessarily back in home location)

**XSD Data Type** *xs:dateTime*

**XSD Domain (Simple Type)** *DateTime*

**Multiple Entry Configuration** No

**Accepts Null** No

**Required in XSD** Yes

**Minimum Constraint** 1,990

**Maximum Constraint** 2,030

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on EMS agency time intervals
- Allows data to describe EMS agency time intervals

## Data Collector

- 911 or Dispatch Center and electronically or verbally transmitted to the EMS agency

## Other Associated Elements

E01\_01 Patient Care Report Number

## References in NHTSA Version 1

Essential Element 18 Time Back in Service

# UNIT BACK AT HOME LOCATION DATE/TIME

E05\_13

**Data Format** [date/time]

*National Element*

## Definition

The date/time the responding unit was back in their service area. In agencies who utilized Agency Status Management, home location means the service area as assigned through the agency status management protocol.

**XSD Data Type** *xs:dateTime*

**XSD Domain (Simple Type)** *DateTime*

**Multiple Entry Configuration** No

**Accepts Null** Yes, but null value is blank or empty

**Required in XSD** Yes

**Minimum Constraint** 1,990

**Maximum Constraint** 2,030

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used

## Uses

- Allows data to be sorted based on EMS agency time intervals
- Allows data to describe EMS agency time intervals

## Data Collector

- 911 or Dispatch Center and electronically or verbally transmitted to the EMS agency

## Other Associated Elements

**E01\_01** Patient Care Report Number

# ***Patient***

# LAST NAME

E06\_01

Data Format [text]

## Definition

The patient's last (family) name

**XSD Data Type** *xs:string*

**XSD Domain (Simple Type)** *LastName*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** No

**Minimum Constraint** 2

**Maximum Constraint** 20

XSD Structure: E06\_01, E06\_02, and E06\_03 are all members of the E06\_01\_0 Patient Name Structure

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

- Relevant Value for Data Element & Patient Care

## Additional Information

- Local Policy should dictate how Last Name and First Name should be created if Unknown

## Uses

- Allows a patient's information to be stored and retrieved by Name
- Key component of an EMS Medical Record
- Provides contact information for multiple purposes including follow-up, billing, bioterrorism syndromic surveillance, etc

## Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

## Other Associated Elements

E00 Common Null Values

E01\_01 Patient Care Report Number

E06\_02 First Name

E06\_03 Middle Initial/Name

## References in NHTSA Version 1

Essential Element 32 Patient Name

# FIRST NAME

E06\_02

Data Format [text]

## Definition

The patient's first (given) name

**XSD Data Type** *xs:string*

**XSD Domain (Simple Type)** *FirstName*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** No

**Minimum Constraint** 1

**Maximum Constraint** 20

XSD Structure: E06\_01, E06\_02, and E06\_03 are all members of the E06\_01\_0 Patient Name Structure

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

- Relevant Value for Data Element & Patient Care

## Additional Information

- Local Policy should dictate how Last Name and First Name should be created if Unknown

## Uses

- Allows a patient's information to be stored and retrieved by Name
- Key component of an EMS Medical Record
- Provides contact information for multiple purposes including follow-up, billing, bioterrorism syndromic surveillance, etc

## Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

## Other Associated Elements

E00 Common Null Values

E01\_01 Patient Care Report Number

E06\_01 Last Name

E06\_03 Middle Initial/Name

## References in NHTSA Version 1

Essential Element 32 Patient Name

# MIDDLE INITIAL/NAME

E06\_03

Data Format [text]

## Definition

The patient's middle name, if any

**XSD Data Type** *xs:string*

**XSD Domain (Simple Type)** *MiddleInitialName*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** No

**Minimum Constraint** 1

**Maximum Constraint** 20

XSD Structure: E06\_01, E06\_02, and E06\_03 are all members of the E06\_01\_0 Patient Name Structure

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

- Relevant Value for Data Element & Patient Care

## Additional Information

- Local Policy should dictate how Last Name and First Name should be created if Unknown

## Uses

- Allows a patient's information to be stored and retrieved by Name
- Key component of an EMS Medical Record
- Provides contact information for multiple purposes including follow-up, billing, bioterrorism syndromic surveillance, etc

## Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

## Other Associated Elements

E00 Common Null Values

E01\_01 Patient Care Report Number

E06\_01 Last Name

E06\_02 First Name

## References in NHTSA Version 1

Essential Element 32 Patient Name

# PATIENT'S HOME ADDRESS

E06\_04

Data Format [text]

## Definition

The patient's home mailing or street address

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>StreetAddress</i>
<b>Multiple Entry Configuration</b>	No	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	2
		<b>Maximum Constraint</b>	30

XSD Structure: E06\_04, E06\_05, E06\_06, E06\_07, E06\_08 are all members of the E06\_04\_0 Patient Address Structure

## Field Values

- 25 Not Applicable
- 5 Not Available
- 10 Not Known
  - Relevant Value for Data Element & Patient Care

## Uses

- Key component of an EMS Medical Record
- Provides contact information for multiple purposes including follow-up, billing, bioterrorism syndromic surveillance, etc

## Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

## Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
<b>E06_01</b>	Last Name	<b>E06_05</b>	Patient's Home City
<b>E06_06</b>	Patient's Home County	<b>E06_07</b>	Patient's Home State
<b>E06_08</b>	Patient's Home Zip Code		

## References in NHTSA Version 1

Desirable Element 33 Patient Street Address

# PATIENT'S HOME CITY

E06\_05

**Data Format** [combo] single-choice

## Definition

The patient's home city or township or residence

**XSD Data Type** *xs:string*

**XSD Domain (Simple Type)** *City*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** No

**Minimum Constraint** 2

**Maximum Constraint** 30

XSD Structure: E06\_04, E06\_05, E06\_07, E06\_08 are all members of the E06\_04\_0 Patient Address Structure

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

- Relevant Value for Data Element & Patient Care

## Additional Information

- 5 digit FIPS Code
- Could be filled in from Patient's Home Zip (E06\_08)

## Uses

- Key component of an EMS Medical Record
- Provides contact information for multiple purposes including follow-up, billing, bioterrorism syndromic surveillance, etc

## Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

**E06\_01** Last Name

**E06\_04** Patient's Home Address

**E06\_06** Patient's Home County

**E06\_07** Patient's Home State

**E06\_08** Patient's Home Zip Code

## References in NHTSA Version 1

Desirable Element 34 City of Residence

Data Format [combo] single-choice

Definition

The patient's home county or parish or residence

XSD Data Type	xs:string	XSD Domain (Simple Type)	County
Multiple Entry Configuration	No	Accepts Null	Yes
Required in XSD	No	Minimum Constraint	2
		Maximum Constraint	20

Field Values

- 25 Not Applicable
- 10 Not Known
- 5 Not Available
- Relevant Value for Data Element & Patient Care

Additional Information

- Stored as a 5 digit FIPS code (combining the state and county code) to take into account agencies may server more than one state and counties are often named the same from state to state

Uses

- Key component of an EMS Medical Record
- Provides contact information for multiple purposes including follow-up, billing, bioterrorism syndromic surveillance, etc

Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
E06_01	Last Name	E06_04	Patient's Home Address
E06_05	Patient's Home City	E06_07	Patient's Home State
E06_08	Patient's Home Zip Code		

References in NHTSA Version 1

Desirable Element 35 County of Residence

# PATIENT'S HOME STATE

E06\_07

Data Format [combo] single-choice

## Definition

The patient's home state, territory, or province, or District of Columbia, where the patient resides

XSD Data Type *xs:string*

XSD Domain (Simple Type) *State*

Multiple Entry Configuration No

Accepts Null Yes

Required in XSD No

Minimum Constraint 2

Maximum Constraint 3

XSD Structure: E06\_04, E06\_05, E06\_06, E06\_07, E06\_08 are all members of the E06\_04\_0 Patient Address Structure

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

- Relevant Value for Data Element & Patient Care

## Additional Information

- 2 digit FIPS numeric code (Not State abbreviation)
- Could be filled in from Patient's Home Zip (E06\_08)

## Uses

- Key component of an EMS Medical Record
- Provides contact information for multiple purposes including follow-up, billing, bioterrorism syndromic surveillance, etc

## Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

## Other Associated Elements

E00 Common Null Values

E01\_01 Patient Care Report Number

E06\_01 Last Name

E06\_04 Patient's Home Address

E06\_05 Patient's Home City

E06\_06 Patient's Home County

E06\_08 Patient's Home Zip Code

## References in NHTSA Version 1

Desirable Element 36 State of Residence

# PATIENT'S HOME ZIP CODE

E06\_08

**Data Format** [text]

*National Element*

## Definition

The patient's home ZIP code of residence

**XSD Data Type** *xs:string*

**XSD Domain (Simple Type)** *Zip*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** Yes

**Minimum Constraint** 2

**Maximum Constraint** 10

XSD Structure: E06\_04, E06\_05, E06\_07, E06\_08 are all members of the E06\_04\_0 Patient Address Structure

## Field Values

-25 Not Applicable

-15 Not Reporting

-10 Not Known

-5 Not Available

- Relevant Value for Data Element & Patient Care

## Additional Information

- Can be stored as a 5 or 9 digit code

## Uses

- Allows data to be sorted based on the geographic location of the patient's home
- Allows data to describe geographic location of the patient's home
- Key component of an EMS Medical Record
- Provides contact information for multiple purposes including follow-up, billing, bioterrorism syndromic surveillance, etc

## Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

**E06\_01** Last Name

**E06\_04** Patient's Home Address

**E06\_05** Patient's Home City

**E06\_06** Patient's Home County

**E06\_07** Patient's Home State

## References in NHTSA Version 1

Essential Element 37 Zip Code of Residence

GENDER

E06\_11

Data Format [combo] single-choice

National Element

Definition

The patient's gender

XSD Data Type	xs:integer	XSD Domain (Simple Type)	Gender
Multiple Entry Configuration	No	Accepts Null	Yes
Required in XSD	Yes		

Field Values

-25	Not Applicable	-15	Not Reporting
-10	Not Known	-5	Not Available
650	Male	655	Female

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on gender
- Allows data to describe the gender of the EMS patient population

Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
E06_01	Last Name		

References in NHTSA Version 1

Essential Element 42 Gender

References to Other Databases

- NFIRS 5.0 EMS Module; Title: Gender; Pick-List: Male = 1, Female = 2

# RACE

E06\_12

**Data Format** [combo] single-choice

*National Element*

## Definition

The patient's race as defined by the OMB (US Office of Management and Budget)

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *Race*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** Yes

## Field Values

-25 Not Applicable

-10 Not Known

660 American Indian or Alaska Native

670 Black or African American

680 White

-15 Not Reporting

-5 Not Available

665 Asian

675 Native Hawaiian or Other Pacific Islander

685 Other Race

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on race as required from a state and federal government reporting perspective
- Allows data to describe the race of the EMS patient population

## Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

## Other Associated Elements

E00 Common Null Values

E01\_01 Patient Care Report Number

E06\_01 Last Name

## References in NHTSA Version 1

Essential Element 43 Race/Ethnicity

## References to Other Databases

- NFIRS 5.0 EMS Module; Title: Race; Pick-List: White = 1, Black = 2, American Indian, Eskimo, Aleut = 3, Asian = 4, Other, Multi-racial = 0, Race Undetermined = U

# ETHNICITY

E06\_13

**Data Format** [combo] single-choice

*National Element*

## Definition

The patient's ethnicity as defined by the OMB (US Office of Management and Budget)

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *Ethnicity*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** Yes

## Field Values

-25 Not Applicable

-15 Not Reporting

-10 Not Known

-5 Not Available

690 Hispanic or Latino

695 Not Hispanic or Latino

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on ethnicity as required from a state and federal government reporting perspective
- Allows data to describe the ethnicity of the EMS patient population

## Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

## Other Associated Elements

E00 Common Null Values

E01\_01 Patient Care Report Number

E06\_01 Last Name

## References in NHTSA Version 1

Essential Element 43 Race/Ethnicity

## References to Other Databases

- NFIRS 5.0 EMS Module; Title: Ethnicity; Check-Box: Hispanic = Yes or No

# AGE

E06\_14

**Data Format** [number]

*National Element*

## Definition

The patient's age (either calculated from date of birth or best approximation)

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *Age*

**Multiple Entry Configuration** No

**Accepts Null**

Yes, but null value is blank or empty

**Required in XSD** Yes

**Minimum Constraint** 1

**Maximum Constraint** 120

XSD Structure: E06\_14 and E06\_15 are members of the E06\_14\_0 Patient's Age Structure

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- Could be calculated from Date of Birth (E06\_16)

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on age
- Allows data to describe the age of the EMS patient population

## Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

## Other Associated Elements

**E01\_01** Patient Care Report Number

**E06\_01** Last Name

**E06\_15** Age Units

## References in NHTSA Version 1

Desirable Element 41 Age

## References to Other Databases

- NFIRS 5.0 EMS Module; Title: Age; The age of the patient or best approximation. If less than one year then enter the number of months.

Data Format [combo] single-choice

National Element

Definition

The units which the age is documented in (Hours, Days, Months, Years)

XSD Data Type	xs:integer	XSD Domain (Simple Type)	AgeUnits
Multiple Entry Configuration	No	Accepts Null	Yes
Required in XSD	Yes		
XSD Structure: E06_14 and E06_15 are members of the E06_14_0 Patient's Age Structure			

Field Values

-25	Not Applicable	-15	Not Reporting
-10	Not Known	-5	Not Available
700	Hours	705	Days
710	Months	715	Years

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on age
- Allows data to describe the age of the EMS patient population

Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
E06_14	Age		

References in NHTSA Version 1

Desirable Element 41 Age

# DATE OF BIRTH

E06\_16

**Data Format** [date]

## Definition

The patient's date of birth

**XSD Data Type** *xs:date*

**XSD Domain (Simple Type)** *DateOfBirth*

**Multiple Entry Configuration** No

**Accepts Null** No

**Required in XSD** No

**Minimum Constraint** 1,890 **Maximum Constraint** 2,030

## Field Values

- Relevant Value for Data Element & Patient Care

## Uses

- Key component of an EMS Medical Record
- Provides important information which will allow EMS data to be sorted, grouped and evaluated by age demographics

## Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

## Other Associated Elements

**E01\_01** Patient Care Report Number

**E06\_01** Last Name

## References in NHTSA Version 1

Essential Element 40 Date of Birth

## References to Other Databases

- NFIRS 5.0 EMS Module; Title: Date of Birth; The date of birth of the patient in MMDDYYYY format.

# ***Billing***

PRIMARY METHOD OF PAYMENT

E07\_01

Data Format [combo] single-choice

National Element

Definition

The primary method of payment or type of insurance associated with this EMS encounter

XSD Data Type xs:integer XSD Domain (Simple Type) PrimaryMethodOfPayment  
Multiple Entry Configuration No Accepts Null Yes  
Required in XSD Yes

Field Values

- |                                 |                          |
|---------------------------------|--------------------------|
| -25 Not Applicable              | -10 Not Known            |
| -5 Not Available                | 720 Insurance            |
| 725 Medicaid                    | 730 Medicare             |
| 735 Not Billed (for any reason) | 740 Other Government     |
| 745 Self Pay                    | 750 Workers Compensation |

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the payer mix
- Allows data to describe the EMS patient population's payer mix

Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

Other Associated Elements

E00 Common Null Values	E01_01 Patient Care Report Number
E06_01 Last Name	

**Data Format** [text]**Definition**

The ID number of the patient's insurance company

**XSD Data Type** *xs:string*

**XSD Domain (Simple Type)** *InsuranceCompanyID*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes

**Required in XSD** No

**Minimum Constraint** 2

**Maximum Constraint** 30

XSD Structure: (1) E07\_03, E07\_05, E07\_06, E07\_07, E07\_08, E07\_09, E07\_10, E07\_11, E07\_12, E07\_13, E07\_14 are all members of E03 Insurance Structure. (2) E07\_05, E07\_06, E07\_07, and E07\_08 are all members of E07\_05\_0 Insurance Company Address Structure. (3) E07\_11, E07\_12, E07\_13 are all members of E07\_11\_0 Insured Name Structure

**Field Values**

-25 Not Applicable

-10 Not Known

-5 Not Available

- Relevant Value for Data Element & Patient Care

**Additional Information**

- Multiple entry configuration required to allow more than one insurance company

**Uses**

- Key component of an EMS Medical Record for billing

**Data Collector**

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

**Other Associated Elements**

**E00** Common Null Values

**E01\_01** Patient Care Report Number

**E06\_01** Last Name

**E07\_04** Insurance Company Billing Priority

**E07\_05** Insurance Company Address

**E07\_06** Insurance Company City

**E07\_07** Insurance Company State

**E07\_08** Insurance Company Zip Code

**E07\_09** Insurance Group ID/Name

**E07\_10** Insurance Policy ID Number

**E07\_11** Last Name of the Insured

**E07\_12** First Name of the Insured

**E07\_13** Middle Initial/Name of the Insured

**E07\_14** Relationship to the Insured

# WORK-RELATED

E07\_15

Data Format [combo] single-choice

## Definition

Indication of whether or not the injury is work related.

XSD Data Type *xs:integer*

XSD Domain (Simple Type) *YesNoValues*

Multiple Entry Configuration No

Accepts Null Yes

Required in XSD No

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

0 No

1 Yes

## Additional Information

- If work related this data point is associated with Patient's Occupational Industry (E07\_16) and Patient's Occupation (E07\_17)

## Uses

- Can be used to better describe injuries along with the Injury specific data
- Key component of an EMS Medical Record for billing

## Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

## Other Associated Elements

E00 Common Null Values

E01\_01 Patient Care Report Number

E06\_01 Last Name

# PATIENT'S OCCUPATIONAL INDUSTRY

E07\_16

**Data Format** [combo] single-choice

## Definition

The occupational industry of the patient's work

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *PatientsOccupationalIndustry*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** No

## Field Values

-25 Not Applicable

-5 Not Available

795 Finance, Insurance, and Real Estate

805 Manufacturing

815 Retail Trade

825 Transportation and Public Utilities

-10 Not Known

790 Construction

800 Government

810 Mining

820 Services

830 Wholesale Trade

## Additional Information

- Recorded if Work Related (E07\_15) also with Patient's Occupation (E07\_17)
- US Bureau of Labor Statistics Industry Classification

## Uses

- Can be used to better describe injuries along with the Injury specific data
- Key component of an EMS Medical Record for billing

## Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

**E06\_01** Last Name

# RESPONSE URGENCY

E07\_33

Data Format [combo] single-choice

## Definition

The urgency in which the EMS agency began to mobilize resources.

<b>XSD Data Type</b>	<i>xs:integer</i>	<b>XSD Domain (Simple Type)</b>	<i>ResponseUrgency</i>
<b>Multiple Entry Configuration</b>	No	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No		

## Field Values

<b>-25</b>	Not Applicable	<b>-10</b>	Not Known
<b>-5</b>	Not Available	<b>980</b>	Immediate
<b>985</b>	Non-Immediate		

## Uses

- Key component of an EMS Medical Record for contact information associated with billing

## Data Collector

- EMS personnel unless the EMS Agency has professional billing personnel to provide this function

## Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
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**Data Format** [combo] single-choice*National Element***Definition**

The CMS service level for this EMS encounter.

**XSD Data Type** *xs:integer***XSD Domain (Simple Type)** *CMSServiceLevel***Multiple Entry Configuration** No**Accepts Null** Yes**Required in XSD** Yes**Field Values****-25** Not Applicable**-15** Not Reporting**-10** Not Known**-5** Not Available**990** BLS**995** BLS, Emergency**1000** ALS, Level 1**1005** ALS, Level 1 Emergency**1010** ALS, Level 2**1015** Paramedic Intercept**1020** Specialty Care Transport**1025** Fixed Wing (Airplane)**1030** Rotary Wing (Helicopter)**Uses**

- Allows data to be quantified and described based on the CMS Service Level
- Allows data to be sorted based on the CMS Service Level
- Important for EMS billing

**Data Collector**

- EMS personnel unless the EMS Agency has professional billing personnel to provide this function

**Other Associated Elements****E00** Common Null Values**E01\_01** Patient Care Report Number

**Data Format** [combo] multiple-choice

**National Element**

## Definition

The condition codes are used to better describe the service and patient care delivery by an EMS service. Please consult CMS documentation for detailed descriptions of these condition codes and their use.

<b>XSD Data Type</b> <i>xs:string</i>	<b>XSD Domain (Simple Type)</b> <i>ConditionCodeNumber</i>
<b>Multiple Entry Configuration</b> Yes, via structure	<b>Accepts Null</b> Yes
<b>Required in XSD</b> Yes	<b>Minimum Constraint</b> 2 <b>Maximum Constraint</b> 30

XSD Structure: E07\_35, E07\_36 are members of E07\_35\_0 Condition Codes Structure

## Field Values

- |   |  |
|---|--|
| -25 Not Applicable  | -15 Not Reporting  |
| -10 Not Known   | -5 Not Available   |
| 8001 Severe Abdominal Pain (ALS-789.00)                                     | 8002 Abdominal Pain (ALS-789.00)                                       |
| 8003 Abnormal Cardiac Rhythm/Cardiac Dysrhythmia (ALS-427.9)                | 8004 Abnormal Skin Signs (ALS-780.8)                                   |
| 8005 Abnormal Vital Signs (ALS-796.4)                                       | 8006 Allergic Reaction (ALS-995.0)                                     |
| 8007 Allergic Reaction (BLS-692.9)  | 8008 Blood Glucose (ALS-790.21)  |
| 8009 Respiratory Arrest (ALS-799.1)   | 8010 Difficulty Breathing (ALS-786.05)                                 |
| 8011 Cardiac Arrest-Resuscitation in Progress (ALS-427.5)                   | 8012 Chest Pain (non-traumatic) (ALS-786.50)                           |
| 8013 Choking Episode (ALS-784.9)  | 8014 Cold Exposure (ALS-991.6)   |
| 8015 Cold Exposure (BLS-991.9)  | 8016 Altered Level of Consciousness (non-traumatic) (ALS-780.01)       |
| 8017 Convulsions/Seizures (ALS-780.39)                                      | 8018 Eye Symptoms (non-traumatic) (BLS-379.90)                         |
| 8019 Non Traumatic Headache (ALS-437.9)                                     | 8020 Cardiac Symptoms other than Chest Pain (palpitations) (ALS-785.1) |
| 8021 Cardiac Symptoms other than Chest Pain (atypical pain) (ALS-536.2)     | 8022 Heat Exposure (ALS-992.5)   |
| 8023 Heat Exposure (BLS-992.2)  | 8024 Hemorrhage (ALS-459.0)  |
| 8025 Infectious Diseases requiring Isolation/Public Health Risk (BLS-038.9) | 8026 Hazmat Exposure (ALS-987.9)                                       |
| 8027 Medical Device Failure (ALS-996.0)                                     | 8028 Medical Device Failure (BLS-996.3)                                |
| 8029 Neurologic Distress (ALS-436.0)  | 8030 Pain (Severe) (ALS-780.99)  |
| 8031 Back Pain (non-traumatic possible cardiac or vascular) (ALS-724.5)     | 8032 Back Pain (non-traumatic with neurologic symptoms) (ALS-724.9)    |
| 8033 Poisons (all routes) (ALS-977.9)                                       | 8034 Alcohol Intoxication or Drug Overdose (BLS-305.0)                 |
| 8035 Severe Alcohol Intoxication (ALS-977.3)                                | 8036 Post-Operative Procedure Complications (BLS-998.9)                |
| 8037 Pregnancy Complication/Childbirth/Labor (ALS-650.0)                    | 8038 Psychiatric/Behavioral (abnormal mental status) (ALS-292.9)       |
| 8039 Psychiatric/Behavioral (threat to self or others) (BLS-298.9)          | 8040 Sick Person-Fever (BLS-036.9)                                     |
| 8041 Severe Dehydration (ALS-787.01)  | 8042 Unconscious/Syncope/Dizziness (ALS-780.02)                        |
| 8043 Major Trauma (ALS-959.8)   | 8044 Other Trauma (need for monitor or airway) (ALS-518.5)             |
| 8045 Other Trauma (major bleeding) (ALS-958.2)                              | 8046 Other Trauma (fracture/dislocation) (BLS-829.0)                   |
| 8047 Other Trauma (penetrating extremity) (BLS-880.0)                       | 8048 Other Trauma (amputation digits) (BLS-886.0)                      |
| 8049 Other Trauma (amputation other) (ALS-887.4)                            | 8050 Other Trauma (suspected internal injuries) (ALS-869.0)            |
| 8051 Burns-Major (ALS-949.3)  | 8052 Burns-Minor (BLS-949.2)   |
| 8053 Animal Bites/Sting/Envenomation (ALS-989.5)                            | 8054 Animal Bites/Sting/Envenomation (BLS-879.8)                       |
| 8055 Lightning (ALS-994.0)  | 8056 Electrocution (ALS-994.8)   |

**8057** Near Drowning (ALS-994.1)  
**8059** Sexual Assault (major injuries) (ALS-995.83)  
**8061** Cardiac/Hemodynamic Monitoring Required (ALS-428.9)  
**8063** IV Meds Required (ALS-No ICD code provided)  
**8065** Suctioning/Oxygen/IV fluids required (BLS-496.0)  
**8067** Third Party Assistance/Attendant Required (BLS-496.0)  
**8069** Patient Safety (monitoring required) (BLS-293.1)  
**8071** Patient Safety (risk of falling off stretcher) (BLS-781.3)  
**8073** Special Handling (orthopedic device required) (BLS-907.2)

**8060** Sexual Assault (minor injuries) (BLS-995.8)  
**8062** Advanced Airway Management (ALS-518.81)  
**8064** Chemical Restraint (ALS-293.0)  
**8066** Airway Control/Positioning Required (BLS-786.09)  
**8068** Patient Safety (restraints required) (BLS-298.9)  
**8070** Patient Safety (seclusion required) (BLS-298.8)  
**8072** Special Handling (Isolation) (BLS-041.9)  
**8074** Special Handling (positioning required) (BLS-719.45)

**8058**

## Additional Information

- A list of 95 Condition Codes which are mapped to ICD-9 Codes. At this time the Condition Code List is still in draft. The number of the Condition Code should be stored in this field
- From the Center for Medicare and Medicaid Services (CMS) Ambulance Fee Schedule Condition Based Coding

## Uses

- Allows data to be quantified and described based on the Condition Code
- Allows data to be sorted based on the Condition Code
- Important for EMS billing

## Data Collector

- EMS personnel unless the EMS Agency has professional billing personnel to provide this function

## Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
<b>E07_36</b>	ICD-9 Code for the Condition Code Number	<b>E07_37</b>	Condition Code Modifier

# ICD-9 CODE FOR THE CONDITION CODE NUMBER

E07\_36

## Data Format [text]

### Definition

The ICD-9 Code assigned by CMS for the condition code documented in E7.35. Please consult CMS documentation for detailed descriptions of the Condition Codes and their use.

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>ICD9CodeForConditionCode</i>
<b>Multiple Entry Configuration</b>	Yes, via structure	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	2
		<b>Maximum Constraint</b>	30

XSD Structure: E07\_35, E07\_36 are members of E07\_35\_0 Condition Codes Structure

### Field Values

- |                    |  |
|--------------------|--|
| -25 Not Applicable | -10 Not Known                                    |
| -5 Not Available   | • Relevant Value for Data Element & Patient Care |

### Additional Information

- From the Center for Medicare and Medicaid Services (CMS) Ambulance Fee Schedule Condition Based Coding
- Should be automatically filled in based on the Condition Code Number (E07\_35)

### Uses

- Allows data to be quantified and described based on the Condition Code
- Allows data to be sorted based on the Condition Code
- Important for EMS billing

### Data Collector

- EMS personnel unless the EMS Agency has professional billing personnel to provide this function

### Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
<b>E07_35</b>	Condition Code Number	<b>E07_37</b>	Condition Code Modifier

# CONDITION CODE MODIFIER

E07\_37

**Data Format** [combo] multiple-choice

## Definition

The CMS Condition Code Modifier is used to better describe the EMS ground or air medical services response and service delivery. Please consult CMS documentation for detailed descriptions of these modifiers and their use.

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *AirAmbulanceModifier*

**Multiple Entry Configuration** Yes

**Accepts Null** Yes

**Required in XSD** No

## Field Values

-25 Not Applicable	-10 Not Known
-5 Not Available	1035 A-Interfacility Transport (requires higher level of care)
1036 B-Interfacility Transport (service not available)	1037 C-ALS Response to BLS Patient
1038 D-Medically Necessary Transport (Not Nearest Facility)	1039 E-BLS Transport of ALS Patient
1040 F-Emergency Trauma Dispatch Condition Code (patient is BLS)	1041 Air-A-Long Distance
1042 Air-B-Traffic Precludes Ground Transport	1043 Air-C-Time Precludes Ground Transport
1044 Air-D-Pick up Point not Accessible by Ground Transport	

## Additional Information

- From the Center for Medicare and Medicaid Services (CMS) Ambulance Fee Schedule Condition Based Coding
- This coding system is character based to match the CMS Modifier Condition Code

## Uses

- Allows data to be quantified and described based on the Condition Code
- Allows data to be sorted based on the Condition Code
- Important for EMS billing

## Data Collector

- EMS personnel unless the EMS Agency has professional billing personnel to provide this function

## Other Associated Elements

E00 Common Null Values

E01\_01 Patient Care Report Number

# ***Scene***

OTHER EMS AGENCIES AT SCENE

E08\_01

Data Format [combo] multiple-choice

Definition

Other EMS agencies that were at the scene, if any

XSD Data Type	xs:string	XSD Domain (Simple Type)	OtherEMSAgenciesAtScene
Multiple Entry Configuration	Yes	Accepts Null	Yes
Required in XSD	No	Minimum Constraint	2
		Maximum Constraint	30

Field Values

- 25 Not Applicable
- 10 Not Known
- 5 Not Available
- Relevant Value for Data Element & Patient Care

Additional Information

- Created from Other Agencies in Area (D01\_11). This is the Agency Name, not the EMS Agency Number

Uses

- Allows EMS reports to be generated describing all of the resources used in an EMS event
- Allows for the evaluation of an EMS response or of EMS responses over time to adjust agency components and plans

Data Collector

- EMS personnel

Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
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# OTHER SERVICES AT SCENE

E08\_02

Data Format [combo] multiple-choice

## Definition

Other services that were at the scene, if any

<b>XSD Data Type</b>	<i>xs:integer</i>	<b>XSD Domain (Simple Type)</b>	<i>OtherServicesAtScene</i>
<b>Multiple Entry Configuration</b>	Yes	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No		

## Field Values

-25 Not Applicable	-10 Not Known
-5 Not Available	1060 EMS Mutual Aid
1065 Fire	1070 Hazmat
1075 Law	1080 Other Health Care Provider
1085 Other	1090 Rescue
1095 Utilities	

## Uses

- Allows EMS reports to be generated describing all of the resources used in an EMS event
- Allows for the evaluation of an EMS response or of EMS responses over time to adjust agency components and plans
- Used for Quality Management reports associated with service delivery

## Data Collector

- EMS personnel

## Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
-----	--------------------	--------	----------------------------

# ESTIMATED DATE/TIME INITIAL RESPONDER ARRIVED ON SCENE

E08\_03

**Data Format** [combo] single-choice

## Definition

The date/time differential between the initial responder and the EMS unit arriving on the scene, if applicable.

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *EstimatedDateTimeInitialResponderOnScene*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** No

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

1100 >15 minutes

1105 5 - 15 Minutes

1110 <5 Minutes

1115 After EMS

## Additional Information

- EMS Systems can choose to document First Responder Arrival Time either by a time frame (E08\_03) or by recording the exact time (E08\_04). Systems only need to use one of these two data elements

## Uses

- Allows for the evaluation of First Responder services within an EMS Agency
- Used for Quality Management reports associated with service delivery and clinical care/ outcomes

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

# DATE/TIME INITIAL RESPONDER ARRIVED ON SCENE

E08\_04

**Data Format** [date/time]

## Definition

The time that the initial responder arrived on the scene, if applicable.

**XSD Data Type** *xs:dateTime*

**XSD Domain (Simple Type)** *DateTime*

**Multiple Entry Configuration** No

**Accepts Null**

Yes, but null value is blank or empty

**Required in XSD** No

**Minimum Constraint** 1,990

**Maximum Constraint** 2,030

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- EMS Systems can choose to document First Responder Arrival Time either by a time frame (E08\_03) or by recording the exact time (E08\_04). Systems only need to use one of these two data elements
- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used

## Uses

- Allows for the evaluation of First Responder services within an EMS Agency
- Used for Quality Management reports associated with service delivery and clinical care/ outcomes

## Data Collector

- EMS personnel

## Other Associated Elements

**E01\_01** Patient Care Report Number

# NUMBER OF PATIENTS AT SCENE

E08\_05

Data Format [combo] single-choice

National Element

## Definition

Indicator of how many total patients were at the scene

XSD Data Type	<i>xs:integer</i>	XSD Domain (Simple Type)	<i>NumberOfPatientsAtScene</i>
Multiple Entry Configuration	No	Accepts Null	Yes
Required in XSD	Yes		

## Field Values

-25	Not Applicable	-15	Not Reporting
-10	Not Known	-5	Not Available
1120	None	1125	Single
1130	Multiple		

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the number of patients associated with the event and resources required
- Allows data to describe the number of EMS events with multiple patient encounters

## Data Collector

- EMS personnel

## Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
-----	--------------------	--------	----------------------------

## References to Other Databases

- NFIRS 5.0 EMS Module; Title: Number of Patients; The total number of patients.

MASS CASUALTY INCIDENT

E08\_06

Data Format [combo] single-choice

National Element

Definition

Indicator if this event would be considered a mass casualty incident (overwhelmed existing EMS resources)

XSD Data Type	xs:integer	XSD Domain (Simple Type)	YesNoValues
Multiple Entry Configuration	No	Accepts Null	Yes
Required in XSD	Yes		

Field Values

-25 Not Applicable	-15 Not Reporting
-10 Not Known	-5 Not Available
0 No	1 Yes

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on a Mass Casualty Event
- Allows data to describe the number of EMS events which were declared a mass casualty event and is connected with disaster and domestic preparedness

Data Collector

- EMS personnel

Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
-----	--------------------	--------	----------------------------

# INCIDENT LOCATION TYPE

E08\_07

**Data Format** [combo] single-choice

*National Element*

## Definition

The kind of location where the incident happened

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *IncidentLocationType*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** Yes

## Field Values

-25 Not Applicable	-15 Not Reporting
-10 Not Known	-5 Not Available
1135 Home/Residence	1140 Farm
1145 Mine or Quarry	1150 Industrial Place and Premises
1155 Place of Recreation or Sport	1160 Street or Highway
1165 Public Building (schools, gov. offices)	1170 Trade or service (business, bars, restaurants, etc)
1175 Health Care Facility (clinic, hospital, nursing home)	1180 Residential Institution (Nursing Home, jail/prison)
1185 Lake, River, Ocean	1190 Other Location

## Additional Information

- Based on ICD-9

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the Incident Location and Type
- Allows data to describe the Incident Location and the distribution of EMS events

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

## References in NHTSA Version 1

Essential Element 05 Location Type

## References to Other Databases

- **UTSTEIN** Title: Location of Arrest: Out of Hospital; Same as NHTSA E-Codes

# INCIDENT ADDRESS

E08\_11

Data Format [text]

## Definition

The street address (or best approximation) where the patient was found, or, if no patient, the address to which the unit responded.

**XSD Data Type** *xs:string*

**XSD Domain (Simple Type)** *StreetAddress*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** No

**Minimum Constraint** 2

**Maximum Constraint** 30

XSD Structure: E08\_11, E08\_12, E08\_14, E08\_15 are all members of E08\_11\_0 Incident Address Structure

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

- Relevant Value for Data Element & Patient Care

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Important for grouping or comparing data by Scene location which also allows data to be sorted by geographic response areas in many agencies
- Provides information on overall response patterns and times for agency configuration and evaluation

## Data Collector

- EMS agency or may be electronically provided through the 911 or dispatch center

## Other Associated Elements

E00 Common Null Values

E01\_01 Patient Care Report Number

E08\_07 Incident Location Type

E08\_12 Incident City

E08\_14 Incident State

E08\_15 Incident ZIP Code

## References in NHTSA Version 1

Essential Element 01 Incident Address

**Data Format** [combo] single-choice

## Definition

The city or township (if applicable) where the patient was found or to which the unit responded (or best approximation)

**XSD Data Type** *xs:string*

**XSD Domain (Simple Type)** *City*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** No

**Minimum Constraint** 2

**Maximum Constraint** 30

XSD Structure: E08\_11, E08\_12, E08\_14, E08\_15 are all members of E08\_11\_0 Incident Address Structure

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

- Relevant Value for Data Element & Patient Care

## Additional Information

- 5 digit FIPS Code
- Could be filled in from Incident Zip Code entry (E08\_15)

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Important for grouping or comparing data by Scene location which also allows data to be sorted by geographic response areas in many agencies
- Provides information on overall response patterns and times for agency configuration and evaluation

## Data Collector

- EMS agency or may be electronically provided through the 911 or dispatch center

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

**E08\_07** Incident Location Type

**E08\_11** Incident Address

**E08\_14** Incident State

**E08\_15** Incident ZIP Code

## References in NHTSA Version 1

Essential Element 02 Incident City

# INCIDENT COUNTY

E08\_13

**Data Format** [combo] single-choice

## Definition

The county or parish where the patient was found or to which the unit responded (or best approximation)

**XSD Data Type** *xs:string*

**XSD Domain (Simple Type)** *County*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** No

**Minimum Constraint** 2

**Maximum Constraint** 5

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

- Relevant Value for Data Element & Patient Care

## Additional Information

- Could be filled in from Incident Zip Code entry (E08\_15)
- Stored as a 5 digit FIPS code (combining the state and county code) to take into account agencies may serve more than one state and counties are often named the same from state to state
- Stored as a FIPS code

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Important for grouping or comparing data by Scene location which also allows data to be sorted by geographic response areas in many agencies
- Provides information on overall response patterns and times for agency configuration and evaluation

## Data Collector

- EMS agency or may be electronically provided through the 911 or dispatch center

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

**E08\_07** Incident Location Type

## References in NHTSA Version 1

Essential Element 03 Incident County

# INCIDENT STATE

E08\_14

**Data Format** [combo] single-choice

## Definition

The state, territory, or province where the patient was found or to which the unit responded (or best approximation)

**XSD Data Type** *xs:string*

**XSD Domain (Simple Type)** *State*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** No

**Minimum Constraint** 2

**Maximum Constraint** 3

XSD Structure: E08\_11, E08\_12, E08\_14, E08\_15 are all members of E08\_11\_0 Incident Address Structure

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

- Relevant Value for Data Element & Patient Care

## Additional Information

- 2 digit FIPS numeric code (Not State abbreviation)
- Could be filled in from Incident Zip Code entry (E08\_15)

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Important for grouping or comparing data by Scene location which also allows data to be sorted by geographic response areas in many agencies
- Provides information on overall response patterns and times for agency configuration and evaluation

## Data Collector

- EMS agency or may be electronically provided through the 911 or dispatch center

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

**E08\_07** Incident Location Type

**E08\_11** Incident Address

**E08\_12** Incident City

**E08\_15** Incident ZIP Code

## References in NHTSA Version 1

Essential Element 04 Incident State

## References to Other Databases

- NFIRS 5.0 Basic Module 1; Title: State; 2 digit FIPS; Text Field Size = 2

# INCIDENT ZIP CODE

E08\_15

Data Format [text]

National Element

## Definition

The ZIP code of the incident location

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>Zip</i>
<b>Multiple Entry Configuration</b>	No	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	Yes	<b>Minimum Constraint</b>	2
		<b>Maximum Constraint</b>	10

XSD Structure: E08\_11, E08\_12, E08\_14, E08\_15 are all members of E08\_11\_0 Incident Address Structure

## Field Values

- 25 Not Applicable

-15 Not Reporting
- 10 Not Known

-5 Not Available
- Relevant Value for Data Element & Patient Care

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the geographic location of the EMS Incident
- Allows data to describe geographic location of the EMS Incident

## Data Collector

- EMS agency or may be electronically provided through the 911 or dispatch center

## Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
<b>E08_07</b>	Incident Location Type	<b>E08_11</b>	Incident Address
<b>E08_12</b>	Incident City	<b>E08_14</b>	Incident State

# ***Situation***

**Data Format** [combo] multiple-choice

*National Element*

## Definition

Any care which was provided to the patient prior to the arrival of this unit.

**XSD Data Type** *xs:string*

**XSD Domain (Simple Type)** *PriorAid*

**Multiple Entry Configuration** Yes

**Accepts Null** Yes

**Required in XSD** Yes

**Minimum Constraint** 2

**Maximum Constraint** 30

## Field Values

-25 Not Applicable

-15 Not Reporting

-10 Not Known

-5 Not Available

- Relevant Value for Data Element & Patient Care

## Additional Information

- List created from Procedures (D04\_04) and Medications (D04\_06)

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the specific prior aid received or not received by the patient
- Allows data to describe aid which was provided prior to EMS arrival
- Used as a Quality Management tool to evaluate Bystander and First Responder involvement

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

## References in NHTSA Version 1

Desirable Element 58 Time of First CPR

## References to Other Databases

- NFIRS 5.0 EMS Module; Title: Cardiac Arrest; Pick-List: Pre-Arrival Arrest = 1, Post-Arrival Arrest = 2;
- NFIRS 5.0 EMS Module; Title: Pre-Arrival Details; Pick-List: Witnessed = 1, Bystander CPR = 2
- UTSTEIN Title: CPR Before EMS and Rhythm Analysis or Defibrillation before EMS; [combo] Yes = Y, No = No, U = Unknown

PRIOR AID PERFORMED BY

E09\_02

Data Format [combo] multiple-choice

National Element

Definition

The type of individual who performed the care prior to the arrival of this unit.

XSD Data Type	xs:integer	XSD Domain (Simple Type)	PriorAidPerformedBy
Multiple Entry Configuration	Yes	Accepts Null	Yes
Required in XSD	Yes		

Field Values

-25	Not Applicable	-15	Not Reporting
-10	Not Known	-5	Not Available
1195	EMS Provider	1200	Law Enforcement
1205	Lay Person	1210	Other Healthcare Provider
1215	Patient		

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on who provided specific prior aid
- Allows data to describe who performed any aid which was provide prior to EMS arrival to the patient
- Used as a Quality Management tool to evaluate Bystander and First Responder involvement

Data Collector

- EMS personnel

Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
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# OUTCOME OF THE PRIOR AID

E09\_03

**Data Format** [combo] single-choice

*National Element*

## Definition

What was the outcome or result of the care performed prior to the arrival of the unit?

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *OutcomeOfPriorAid*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** Yes

## Field Values

-25 Not Applicable

-15 Not Reporting

-10 Not Known

-5 Not Available

1220 Improved

1225 Unchanged

1230 Worse

## Uses

- Allows data to be sorted based on the perceived outcome which resulted from specific prior aid received by the patient
- Allows data to describe aid which was provided prior to EMS arrival
- Used as a Quality Management tool to evaluate Bystander and First Responder involvement

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

# POSSIBLE INJURY

E09\_04

**Data Format** [combo] single-choice

*National Element*

## Definition

Indicates that the reason for the EMS encounter was related to an injury or traumatic event. This data element provides documentation to classify the EMS Reason for Encounter as either injury or non-injury related based on mechanism and not on actual injury

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *YesNoValues*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** Yes

## Field Values

-25 Not Applicable

-15 Not Reporting

-10 Not Known

-5 Not Available

0 No

1 Yes

## Additional Information

- Can be used to determine which records should have Section E10: Situation/ Trauma completed. If Injury Present (E09\_04) is “Yes”, Section E10 should be completed
- Possible Injury (E09\_04), Chief Complaint Anatomic Location (E09\_11), Chief Complaint Organ System (E09\_12), and Primary Symptom (E09\_13) are required to calculate the Reason for Encounter

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on trauma vs. non-traumatic events
- Allows data to describe trauma within the EMS patient population
- Allows for the calculation of the "EMS Reason for Encounter" used to further describe the EMS patient population

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

# CHIEF COMPLAINT

E09\_05

Data Format [text]

## Definition

The statement of the problem by the patient or the history provider in one or two words

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>ChiefComplaintNarrative</i>
<b>Multiple Entry Configuration</b>	No	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	2
		<b>Maximum Constraint</b>	50

## Field Values

- 25 Not Applicable
- 5 Not Available
- 10 Not Known
  - Relevant Value for Data Element & Patient Care

## Uses

- Allows data to be sorted based on the use of EMS Chief Complaint
- Allows data to describe EMS services delivered based on the EMS patient's chief complaint
- Important for an EMS Medical Record

## Data Collector

- EMS personnel

## Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
-----	--------------------	--------	----------------------------

## References in NHTSA Version 1

Desirable Element 48 Chief Complaint

# DURATION OF CHIEF COMPLAINT

E09\_06

Data Format [number]

## Definition

The time duration of the chief complaint

<b>XSD Data Type</b>	<i>xs:integer</i>	<b>XSD Domain (Simple Type)</b>	<i>DurationOfChiefComplaint</i>
<b>Multiple Entry Configuration</b>	No	<b>Accepts Null</b>	No
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	1
		<b>Maximum Constraint</b>	360

XSD Structure: E09\_06 and E09\_07 are members of E09\_06\_0 Duration of Chief Complaint Structure

## Field Values

- Relevant Value for Data Element & Patient Care

## Uses

- Important for an EMS Medical Record
- Important to evaluate clinical conditions which are time dependant such as MI or Stroke to determine appropriate EMS care

## Data Collector

- EMS personnel

## Other Associated Elements

<b>E01_01</b>	Patient Care Report Number	<b>E09_05</b>	Chief Complaint
<b>E09_07</b>	Time Units of Duration of Chief Complaint		

# TIME UNITS OF DURATION OF CHIEF COMPLAINT

E09\_07

Data Format [combo] single-choice

## Definition

The time units of the duration of the patient's chief complaint

XSD Data Type *xs:integer* XSD Domain (Simple Type) *TimeUnitsOfChiefComplaint*

Multiple Entry Configuration No Accepts Null No

Required in XSD No

XSD Structure: E09\_06 and E09\_07 are members of E09\_06\_0 Duration of Chief Complaint Structure

## Field Values

- 1235 Seconds

1245 Hours

1255 Weeks

1265 Years
- 1240 Minutes

1250 Days

1260 Months

Relevant Value for Data Element & Patient Care

## Uses

- Important for an EMS Medical Record
- Important to evaluate clinical conditions which are time dependant such as MI or Stroke to determine appropriate EMS care

## Data Collector

- EMS personnel

## Other Associated Elements

- E01\_01 Patient Care Report Number

E09\_06 Duration of Chief Complaint
- E09\_05 Chief Complaint

# SECONDARY COMPLAINT NARRATIVE

E09\_08

Data Format [text]

## Definition

The narrative of the patient's secondary complaint

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>SecondaryComplaintNarrative</i>
<b>Multiple Entry Configuration</b>	No	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	2
		<b>Maximum Constraint</b>	50

## Field Values

- 25 Not Applicable
- 10 Not Known
  - Relevant Value for Data Element & Patient Care
- 5 Not Available

## Uses

- Allows data to be sorted based on the use of EMS Chief Complaint
- Allows data to describe EMS services delivered based on the patient's chief complaint
- Important for an EMS Medical Record

## Data Collector

- EMS personnel

## Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
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## References in NHTSA Version 1

Desirable Element 48 Chief Complaint

# DURATION OF SECONDARY COMPLAINT

E09\_09

Data Format [number]

## Definition

The duration of the secondary complaint

<b>XSD Data Type</b>	<i>xs:integer</i>	<b>XSD Domain (Simple Type)</b>	<i>DurationOfSecondaryComplaint</i>
<b>Multiple Entry Configuration</b>	No	<b>Accepts Null</b>	No
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	1
		<b>Maximum Constraint</b>	360

XSD Structure: E09\_09 and E09\_10 are members of E09\_09\_0 Duration of Secondary Complaint Structure

## Field Values

- Relevant Value for Data Element & Patient Care

## Uses

- Important for an EMS Medical Record
- Important to evaluate clinical conditions which are time dependant such as MI or Stroke to determine appropriate EMS care

## Data Collector

- EMS personnel

## Other Associated Elements

<b>E01_01</b>	Patient Care Report Number	<b>E09_08</b>	Secondary Complaint Narrative
<b>E09_10</b>	Time Units of Duration of Secondary Complaint		

# TIME UNITS OF DURATION OF SECONDARY COMPLAINT

E09\_10

Data Format [combo] single-choice

## Definition

The time units of the duration of the patient's secondary complaint

XSD Data Type *xs:integer* XSD Domain (Simple Type) *TimeUnitsOfSecondaryComplaint*  
Multiple Entry Configuration No Accepts Null No

Required in XSD No

XSD Structure: E09\_09 and E09\_10 are members of E09\_09\_0 Duration of Secondary Complaint Structure

## Field Values

1270 Seconds	1275 Minutes
1280 Hours	1285 Days
1290 Weeks	1295 Months
1300 Years	

## Uses

- Important for an EMS Medical Record
- Important to evaluate clinical conditions which are time dependant such as MI or Stroke to determine appropriate EMS care

## Data Collector

- EMS personnel

## Other Associated Elements

E01_01 Patient Care Report Number	E09_08 Secondary Complaint Narrative
E09_09 Duration of Secondary Complaint	

# CHIEF COMPLAINT ANATOMIC LOCATION

E09\_11

Data Format [combo] single-choice

National Element

## Definition

The primary anatomic location of the chief complaint as identified by EMS personnel

XSD Data Type	xs:integer	XSD Domain (Simple Type)	ComplaintAnatomicLocation
Multiple Entry Configuration	No	Accepts Null	Yes
Required in XSD	Yes		

## Field Values

-25	Not Applicable	-15	Not Reporting
-10	Not Known	-5	Not Available
1305	Abdomen	1310	Back
1315	Chest	1320	Extremity-Lower
1325	Extremity-Upper	1330	General/Global
1335	Genitalia	1340	Head
1345	Neck		

## Additional Information

- Possible Injury (E09\_04), Chief Complaint Anatomic Location (E09\_11), Chief Complaint Organ System (E09\_12), and Primary Symptom (E09\_13) are required to calculate the Reason for Encounter

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the patient's complaint location
- Allows data to describe the patient's complaint location
- Allows for the calculation of the "EMS Reason for Encounter" used to further describe the EMS patient population

## Data Collector

- EMS personnel

## Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
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# CHIEF COMPLAINT ORGAN SYSTEM

E09\_12

**Data Format** [combo] single-choice

*National Element*

## Definition

The primary organ system of the patient injured or medically affected. This is to be completed by EMS personnel with a minimum of an EMT-Paramedic level of credentialing.

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *ComplaintOrganSystem*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** Yes

## Field Values

-25 Not Applicable

-15 Not Reporting

-10 Not Known

-5 Not Available

1350 Cardiovascular

1355 CNS/Neuro

1360 Endocrine/Metabolic

1365 GI

1370 Global

1375 Musculoskeletal

1380 OB/Gyn

1385 Psych

1390 Pulmonary

1395 Renal

1400 Skin

## Additional Information

- Possible Injury (E09\_04), Chief Complaint Anatomic Location (E09\_11), Chief Complaint Organ System (E09\_12), and Primary Symptom (E09\_13) are required to calculate the Reason for Encounter
- This data element is to be completed by EMS personnel at the EMT-Paramedic level or higher

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows for the calculation of the "EMS Reason for Encounter" used to further describe the EMS patient population

## Data Collector

- EMS personnel

## Other Associated Elements

E00 Common Null Values

E01\_01 Patient Care Report Number

# PRIMARY SYMPTOM

E09\_13

**Data Format** [combo] single-choice

*National Element*

## Definition

The primary sign and symptom present in the patient or observed by EMS personnel

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *PrimarySymptom*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** Yes

## Field Values

-25 Not Applicable	-15 Not Reporting
-10 Not Known	-5 Not Available
1405 Bleeding	1410 Breathing Problem
1415 Change in responsiveness	1420 Choking
1425 Death	1430 Device/Equipment Problem
1435 Diarrhea	1440 Drainage/Discharge
1445 Fever	1450 Malaise
1455 Mass/Lesion	1460 Mental/Psych
1465 Nausea/Vomiting	1470 None
1475 Pain	1480 Palpitations
1485 Rash/Itching	1490 Swelling
1495 Transport Only	1500 Weakness
1505 Wound	

## Additional Information

- Possible Injury (E09\_04), Chief Complaint Anatomic Location (E09\_11), Chief Complaint Organ System (E09\_12), and Primary Symptom (E09\_13) are required to calculate the Reason for Encounter

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the patient's primary symptom
- Allows data to describe the patient's primary symptom
- Allows for the calculation of the "EMS Reason for Encounter" used to further describe the EMS patient population

## Data Collector

- EMS personnel

## Other Associated Elements

E00 Common Null Values

E01\_01 Patient Care Report Number

## References in NHTSA Version 1

Essential Element 52 Signs and Symptoms Present

# OTHER ASSOCIATED SYMPTOMS

E09\_14

**Data Format** [combo] multiple-choice

*National Element*

## Definition

Other symptoms identified by the patient or observed by EMS personnel

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *OtherAssociatedSymptoms*

**Multiple Entry Configuration** Yes

**Accepts Null** Yes

**Required in XSD** Yes

## Field Values

-25 Not Applicable	-15 Not Reporting
-10 Not Known	-5 Not Available
1510 Bleeding	1515 Breathing Problem
1520 Change in responsiveness	1525 Choking
1530 Death	1535 Device/Equipment Problem
1540 Diarrhea	1545 Drainage/Discharge
1550 Fever	1555 Malaise
1560 Mass/Lesion	1565 Mental/Psych
1570 Nausea/Vomiting	1575 None
1580 Pain	1585 Palpitations
1590 Rash/Itching	1595 Swelling
1600 Transport Only	1605 Weakness
1610 Wound	

## Additional Information

- This data element is used for Bioterrorism Syndromic Surveillance

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the patient's primary symptom
- Allows data to describe the patient's associated symptoms
- Allows for potential bio-terrorism surveillance based on the symptomatic presentation of the EMS Patient combined with other data points

## Data Collector

- EMS personnel

## Other Associated Elements

E00 Common Null Values

E01\_01 Patient Care Report Number

## References in NHTSA Version 1

Essential Element 52 Signs and Symptoms Present

# PROVIDERS PRIMARY IMPRESSION

E09\_15

**Data Format** [combo] single-choice

*National Element*

## Definition

The EMS personnel's impression of the patient's primary problem or most significant condition which led to the management given to the patient (treatments, medications, or procedures).

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *ProvidersPrimaryImpression*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** Yes

## Field Values

-25	Not Applicable	-15	Not Reporting
-10	Not Known	-5	Not Available
1615	789.00- Abdominal pain / problems	1620	519.80- Airway obstruction
1625	995.30- Allergic reaction	1630	780.09- Altered level of consciousness
1635	312.90- Behavioral / psychiatric disorder	1640	427.50- Cardiac arrest
1645	427.90- Cardiac rhythm disturbance	1650	786.50- Chest pain / discomfort
1655	250.90- Diabetic symptoms (hypoglycemia)	1660	994.80- Electrocution
1665	780.60- Hyperthermia	1670	780.90- Hypothermia
1675	785.59- Hypovolemia / shock	1680	987.90- Inhalation injury (toxic gas)
1685	798.99- Obvious death	1690	977.90- Poisoning / drug ingestion
1695	659.90- Pregnancy / OB delivery	1700	786.09- Respiratory distress
1705	799.10- Respiratory arrest	1710	780.30- Seizure
1715	959.90- Sexual assault / rape	1720	987.90- Smoke inhalation
1725	989.50- Stings / venomous bites	1730	436.00- Stroke / CVA
1735	780.20- Syncope / fainting	1740	959.90- Traumatic injury
1745	623.80- Vaginal hemorrhage		

## Additional Information

- ICD-9 Codes were retained over ICD-10 due to CMS's continued use of ICD-9 in the EMS Condition Codes

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the EMS personnel's clinical impression
- Allows data to describe the EMS patient population based on EMS personnel impression of the EMS patient's problem

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

## References in NHTSA Version 1

Essential Element 50 Providers Impression

## References to Other Databases

- NFIRS 5.0 EMS Module; Title: Provider Impression/Assessment; The emergency providers single most important impression/assessment which drove the choice of treatment; [combo] Abdominal Pain = 10, Airway Obstruction = 11, Allergic Reaction, excludes stings & venomous bites = 12, Altered Level of Consciousness = 13, Behavioral-Mental Status, Psychiatric Disorder = 14, Burns = 15, Cardiac Arrest = 16, Cardiac Dysrhythmia = 17, Chest Pain = 18, Diabetic Symptom = 19, Do Not Resuscitate = 20, Electrocution = 21, General Illness = 2, Hemorrhaging/Bleeding = 23, Hyperthermia = 24, Hypothermia = 25, Hypovolemia = 26, Inhalation Injury, Toxic Gases = 27, Obvious Death = 28, Overdose/Poisoning = 29, Pregnancy/OB = 30, Respiratory Arrest = 31, Respiratory Distress = 32, Seizure = 33, Sexual Assault = 34, Sting/Bite = 35, Stroke/CVA = 36, Syncope, Fainting = 37, Trauma = 38, Other Impression/Assessment = 00, None/No patient or refused Treatment = NN

# PROVIDER'S SECONDARY IMPRESSION

E09\_16

**Data Format** [combo] single-choice

*National Element*

## Definition

The EMS personnel's impression of the patient's secondary problem or which led to the management given to the patient (treatments, medications, or procedures).

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *ProvidersSecondaryImpression*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** Yes

## Field Values

<b>-25</b> Not Applicable	<b>-15</b> Not Reporting
<b>-10</b> Not Known	<b>-5</b> Not Available
<b>1750</b> 789.00- Abdominal pain / problems	<b>1755</b> 519.80- Airway obstruction
<b>1760</b> 995.30- Allergic reaction	<b>1765</b> 780.09- Altered level of consciousness
<b>1770</b> 312.90- Behavioral / psychiatric disorder	<b>1775</b> 427.50- Cardiac arrest
<b>1780</b> 427.90- Cardiac rhythm disturbance	<b>1785</b> 786.50- Chest pain / discomfort
<b>1790</b> 250.90- Diabetic symptoms (hypoglycemia)	<b>1795</b> 994.80- Electrocution
<b>1800</b> 780.60- Hyperthermia	<b>1805</b> 780.90- Hypothermia
<b>1810</b> 785.59- Hypovolemia / shock	<b>1815</b> 987.90- Inhalation injury (toxic gas)
<b>1820</b> 798.99- Obvious death	<b>1825</b> 977.90- Poisoning / drug ingestion
<b>1830</b> 659.90- Pregnancy / OB delivery	<b>1835</b> 786.09- Respiratory distress
<b>1840</b> 799.10- Respiratory arrest	<b>1845</b> 780.30- Seizure
<b>1850</b> 959.90- Sexual assault / rape	<b>1855</b> 987.90- Smoke inhalation
<b>1860</b> 989.50- Stings / venomous bites	<b>1865</b> 436.00- Stroke / CVA
<b>1870</b> 780.20- Syncope / fainting	<b>1875</b> 959.90- Traumatic injury
<b>1880</b> 623.80- Vaginal hemorrhage	

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the EMS personnel's clinical impression
- Allows data to describe the EMS patient population based on EMS personnel impression of the EMS patient's problem

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

## References in NHTSA Version 1

Essential Element 50 Providers Impression

# ***Situation/ Trauma***

# CAUSE OF INJURY

E10\_01

**Data Format** [combo] single-choice

*National Element*

## Definition

The category of the reported/suspected external cause of the injury

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *CauseOfInjury*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** Yes

## Field Values

-25 Not Applicable	-15 Not Reporting
-10 Not Known	-5 Not Available
9500 Aircraft related accident (E84X.0)	9505 Bicycle Accident (E826.0)
9510 Bites (E906.0)	9515 Chemical poisoning (E86X.0)
9520 Child battering (E967.0)	9525 Drowning (E910.0)
9530 Drug poisoning (E85X.0)	9535 Electrocution (non-lightning) (E925.0)
9540 Excessive Cold (E901.0)	9545 Excessive Heat (E900.0)
9550 Falls (E88X.0)	9555 Fire and Flames (E89X.0)
9560 Firearm assault (E965.0)	9565 Firearm injury (accidental) (E985.0)
9570 Firearm self inflicted (E955.0)	9575 Lightning (E907.0)
9580 Machinery accidents (E919.0)	9585 Mechanical Suffocation (E913.0)
9590 Motor Vehicle non-traffic accident (E82X.0)	9595 Motor Vehicle traffic accident (E81X.0)
9600 Motorcycle Accident (E81X.1)	9605 Non-Motorized Vehicle Accident (E848.0)
9610 Pedestrian traffic accident (E814.0)	9615 Radiation exposure (E926.0)
9620 Rape (E960.1)	9625 Smoke Inhalation (E89X.2)
9630 Stabbing/Cutting Accidental (E986.0)	9635 Stabbing/Cutting Assault (E966.0)
9640 Struck by Blunt/Thrown Object (E968.2)	9645 Venomous stings (plants, animals) (E905.0)
9650 Water Transport accident (E83X.0)	

## Additional Information

- Complete only if Possible Injury (E09\_04) is “Yes”
- ICD-9 Codes were retained over ICD-10 due to CMS’s continued use of ICD-9 in the EMS Condition Codes

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the traumatic cause of injury
- Allows data to describe the cause of a traumatic event

## Data Collector

- EMS personnel if Possible Injury (E09\_04) is answered Yes

## Other Associated Elements

E00 Common Null Values

E01\_01 Patient Care Report Number

## References in NHTSA Version 1

Essential Element 49 Cause of Injury

## References to Other Databases

- NFIRS 5.0 EMS Module; Title: Cause of Illness/Injury; The immediate cause or condition responsible for the injury or illness; Pick-List: Chemical Exposure = 10, Drug Poisoning = 11, Fall = 12, Aircraft Related = 13, Bite, Includes Animal Bites = 14, Bicycle Accident = 15, Building Collapse/Construction Accident = 16, Downing = 17, Electrical Shock = 18, Cold = 19, Heat = 20, Explosives = 21, Fire and Flames = 22, Firearm = 23, Fireworks = 25, Lightning = 26, Machinery = 27, Mechanical Suffocation = 28, Motor Vehicle Accident = 29, Motor Vehicle Accident, Pedestrian = 30, Non-Traffic Vehicle (off road) Accident = 31, Physical Assault/Abuse = 32, Scalds/Other Thermal = 33, Smoke Inhalation = 34, Stabbing Assault = 35, Venomous

## Section E10 Situation/ Trauma

2006 NHTSA Uniform PreHospital Dataset V.2.2.1 Sting = 36, Water Transport = 37, Other Cause of Injury/Illness = 00, Unknown Cause of Injury/Illness = UU

# INTENT OF THE INJURY

E10\_02

**Data Format** [combo] single-choice

## Definition

The intent of the individual inflicting the injury

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *IntentOfInjury*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** No

## Field Values

-25 Not Applicable

-5 Not Available

2025 Intentional, Self

-10 Not Known

2020 Intentional, Other (Assaulted)

2030 Unintentional

## Additional Information

- Complete only if Possible Injury (E09\_04) is “Yes”

## Uses

- Important component of an EMS Medical Record: documentation of Intentional, Self
- Used to better define injury cause and describe injury patterns within and EMS community

## Data Collector

- EMS personnel if Possible Injury (E09\_04) is answered Yes

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

## References in NHTSA Version 1

Desirable Element 54 Injury Intent

## References to Other Databases

- NFIRS 5.0 EMS Module; Title: Other Factors; Describes the other factors that contributed to the patient’s injury. Not to be completed with an illness.; Pick-List: Accidental = 1, Self-Inflicted = 2, Inflicted, Not Self. Included are attacks by animals and persons = 3, None or No Other Factors = N

# MECHANISM OF INJURY

E10\_03

Data Format [combo] multiple-choice

## Definition

The mechanism of the event which caused the injury.

<b>XSD Data Type</b>	<i>xs:integer</i>	<b>XSD Domain (Simple Type)</b>	<i>MechanismOfInjury</i>
<b>Multiple Entry Configuration</b>	Yes	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No		

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	2035	Blunt
2040	Burn	2045	Other
2050	Penetrating		

## Additional Information

- Complete only if Possible Injury (E09\_04) is “Yes”

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Important component of an EMS Medical Record to identify issues of clinical care and agency performance and delivery
- Used to better define injury cause and describe injury patterns within and EMS community

## Data Collector

- EMS personnel if Possible Injury (E09\_04) is answered Yes

## Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
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# VEHICULAR INJURY INDICATORS

E10\_04

**Data Format** [combo] multiple-choice

## Definition

The kind of risk factor predictors associated with the vehicle involved in the incident

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *VehicularInjuryIndicators*

**Multiple Entry Configuration** Yes

**Accepts Null** Yes

**Required in XSD** No

## Field Values

-25 Not Applicable

-5 Not Available

2060 DOA Same Vehicle

2070 Fire

2080 Side Post Deformity

2090 Steering Wheel Deformity

-10 Not Known

2055 Dash Deformity

2065 Ejection

2075 Rollover/Roof Deformity

2085 Space Intrusion >1 foot

2095 Windshield Spider/Star

## Additional Information

- Complete only if Possible Injury (E09\_04) is “Yes”

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Used to better define injury cause and describe injury patterns within and EMS community

## Data Collector

- EMS personnel if Possible Injury (E09\_04) is answered Yes and there is a vehicle involved

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

AREA OF THE VEHICLE IMPACTED BY THE COLLISION

E10\_05

Data Format [combo] multiple-choice

Definition

The area or location of impact on the vehicle

XSD Data Type	<i>xs:integer</i>	XSD Domain (Simple Type)	<i>AreaOfVehicleImpact</i>
Multiple Entry Configuration	Yes	Accepts Null	Yes
Required in XSD	No		

Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	2100	Center Front
2105	Center Rear	2110	Left Front
2115	Left Rear	2120	Left Side
2125	Right Front	2130	Right Rear
2135	Right Side	2140	Roll Over

Additional Information

- Complete only if Possible Injury (E09\_04) is “Yes”

Uses

- A component of the EMS Medical Record: Patient Care Report
- Used to better define injury cause and describe injury patterns within and EMS community

Data Collector

- EMS personnel if Possible Injury (E09\_04) is answered Yes and there is a vehicle involved

Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
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# SEAT ROW LOCATION OF PATIENT IN VEHICLE

E10\_06

**Data Format** [text]

## Definition

The seat row location of the patient in vehicle at the time of the crash with the front seat numbered as 1.

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *SeatRowLocation*

**Multiple Entry Configuration** No

**Accepts Null** No

**Required in XSD** No

**Minimum Constraint** 1

**Maximum Constraint** 15

XSD Structure: E10\_06 and E10\_07 are members of E10\_06\_0 Position of Patient Structure

## Field Values

- Relevant Value for Data Element & Patient Care
- If a value of 50 is passed, the location is designated "Cargo Area"

## Additional Information

- Complete only if Possible Injury (E09\_04) is "Yes"
- Could be configured as a single choice combo box
- Numbered to take into account large vehicles such as buses or vans (1 = Front) or (Cargo Area = 50)

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Important component of an EMS Medical Record to identify issues of clinical care and agency performance and delivery
- Used to better define injury cause and describe injury patterns within and EMS community

## Data Collector

- EMS personnel if Possible Injury (E09\_04) is answered Yes and there is a vehicle involved

## Other Associated Elements

**E01\_01** Patient Care Report Number

**E10\_07** Position of Patient in the Seat of the Vehicle

# POSITION OF PATIENT IN THE SEAT OF THE VEHICLE

E10\_07

**Data Format** [combo] single-choice

## Definition

The position of the patient in seat of the vehicle at the time of the crash

**XSD Data Type** *xs:integer* **XSD Domain (Simple Type)** *PositionOfPatientInSeat*

**Multiple Entry Configuration** No **Accepts Null** Yes

**Required in XSD** No

XSD Structure: E10\_06 and E10\_07 are members of E10\_06\_0 Position of Patient Structure

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	2145	Driver
2150	Left (non-driver)	2155	Middle
2160	Other	2165	Right

## Additional Information

- Complete only if Possible Injury (E09\_04) is “Yes”

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Important component of an EMS Medical Record to identify issues of clinical care and agency performance and delivery
- Used to better define injury cause and describe injury patterns within and EMS community

## Data Collector

- EMS personnel if Possible Injury (E09\_04) is answered Yes and there is a vehicle involved

## Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
E10_06	Seat Row Location of Patient in Vehicle		

# USE OF OCCUPANT SAFETY EQUIPMENT

E10\_08

**Data Format** [combo] multiple-choice

## Definition

Safety equipment in use by the patient at the time of the injury

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *UseOfOccupantSafetyEquipment*

**Multiple Entry Configuration** Yes

**Accepts Null** Yes

**Required in XSD** No

## Field Values

-25 Not Applicable

-5 Not Available

2175 Eye Protection

2185 Lap Belt

2190 Other

2200 Protective Clothing

2210 Shoulder Belt

-10 Not Known

2170 Child Restraint

2180 Helmet Worn

2187 None

2195 Personal Floatation Device

2205 Protective Non-Clothing Gear

## Additional Information

- Complete only if Possible Injury (E09\_04) is “Yes”

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Important component of an EMS Medical Record to identify issues of clinical care and agency performance and delivery
- Used to better define injury cause and describe injury patterns within and EMS community

## Data Collector

- EMS personnel if Possible Injury (E09\_04) is answered Yes and there is a vehicle involved

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

## References in NHTSA Version 1

Essential Element 55 Safety Equipment

## References to Other Databases

- NFIRS 5.0 EMS Module; Title: Safety Equipment; Multiple Select Pick-List: Safety, Seat Belts = 1, Child Safety Seat = 2, Airbag = 3, Helmet = 4, Protective Clothing = 5, Flotation Device = 6, None or No Safety Equipment = N, Other Safety Equipment Used = O, Undetermined Safety Equipment = U

# AIRBAG DEPLOYMENT

E10\_09

**Data Format** [combo] multiple-choice

## Definition

Indication of Airbag deployment during the motor vehicle crash.

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *AirbagDeployment*

**Multiple Entry Configuration** Yes

**Accepts Null** Yes

**Required in XSD** No

## Field Values

-25 Not Applicable

-5 Not Available

2220 No Airbag Deployed

2230 Airbag Deployed Side

-10 Not Known

2215 No Airbag Present

2225 Airbag Deployed Front

2235 Airbag Deployed Other (knee, airbelt, etc.)

## Additional Information

- Complete only if Possible Injury (E09\_04) is “Yes”

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Important component of an EMS Medical Record to identify issues of clinical care and agency performance and delivery
- Used to better define injury cause and describe injury patterns within and EMS community

## Data Collector

- EMS personnel if Possible Injury (E09\_04) is answered Yes and there is a vehicle involved

## Other Associated Elements

E00 Common Null Values

E01\_01 Patient Care Report Number

## References in NHTSA Version 1

Essential Element 55 Safety Equipment

## References to Other Databases

- NFIRS 5.0 EMS Module; Title: Safety Equipment; Multiple Select Pick-List: Safety, Seat Belts = 1, Child Safety Seat = 2, Airbag = 3, Helmet = 4, Protective Clothing = 5, Flotation Device = 6, None or No Safety Equipment = N, Other Safety Equipment Used = O, Undetermined Safety Equipment = U

# HEIGHT OF FALL

E10\_10

**Data Format** [number]

## Definition

The distance in feet the patient fell, measured from the lowest point of the patient to the ground.

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *HeightOfFall*

**Multiple Entry Configuration** No

**Accepts Null** No

**Required in XSD** No

**Minimum Constraint** 1

**Maximum Constraint** 50,000

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- Complete only if Possible Injury (E09\_04) is “Yes”

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Important component of an EMS Medical Record to identify issues of clinical care and agency performance and delivery
- Used to better define injury cause and describe injury patterns within and EMS community

## Data Collector

- EMS personnel if Possible Injury (E09\_04) is answered Yes

## Other Associated Elements

**E01\_01** Patient Care Report Number

***Situation/ CPR***

# CARDIAC ARREST

**E11\_01**

**Data Format** [combo] single-choice

*National Element*

## Definition

Indication of the presence of a cardiac arrest at any time associated with the EMS event.

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *CardiacArrest*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** Yes

## Field Values

**-25** Not Applicable

**-15** Not Reporting

**-10** Not Known

**-5** Not Available

**0** No

**2240** Yes, Prior to EMS Arrival

**2245** Yes, After EMS Arrival

## Additional Information

- If answered YES, all other data points in the Situation/CPR should be addressed

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the occurrence of a cardiac arrest
- Allows data to describe the number of cardiac arrests within the EMS patient population

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

## References to Other Databases

- **NFIRS 5.0** EMS Module; Title: Cardiac Arrest; Pick-List: Pre-Arrival Arrest = 1, Post-Arrival Arrest = 2
- **UTSTEIN** Title: Confirmed Cardiac Arrests Considered for Resuscitation

# CARDIAC ARREST ETIOLOGY

E11\_02

**Data Format** [combo] single-choice

*National Element*

## Definition

Indication of the etiology or cause of the cardiac arrest (classified as cardiac, non-cardiac, etc.)

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *CardiacArrestEtiology*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** Yes

## Field Values

-25 Not Applicable

-10 Not Known

2250 Presumed Cardiac

2260 Drowning

2270 Electrocutation

-15 Not Reporting

-5 Not Available

2255 Trauma

2265 Respiratory

2275 Other

## Additional Information

- Complete only if Cardiac Arrest (E11\_01) is “Yes”

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the occurrence of a cardiac arrest
- Allows data to describe the number of cardiac arrests within the EMS patient population

## Data Collector

- EMS personnel if Cardiac Arrest (E11\_01) is answered Yes

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

## References to Other Databases

- **UTSTEIN** Title: Cardiac Etiology; Presumed Cardiac = C, Trauma = T, Drowning = D, Respiratory = R, Other = O, Unknown = U

# RESUSCITATION ATTEMPTED

E11\_03

**Data Format** [combo] multiple-choice

*National Element*

## Definition

Indication of an attempt to resuscitate the patient who is in cardiac arrest (attempted, not attempted due to DNR, etc.)

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *ResuscitationAttempted*

**Multiple Entry Configuration** Yes

**Accepts Null** Yes

**Required in XSD** Yes

## Field Values

-25 Not Applicable

-10 Not Known

2280 Attempted Defibrillation

2290 Initiated Chest Compressions

2300 Not Attempted-DNR Orders

-15 Not Reporting

-5 Not Available

2285 Attempted Ventilation

2295 Not Attempted-Considered Futile

2305 Not Attempted-Signs of Circulation

## Additional Information

- Complete only if Cardiac Arrest (E11\_01) is “Yes”

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the type of resuscitation initiated during a cardiac arrest
- Allows data to describe the number of cardiac arrests within the EMS patient population which resulted in resuscitative efforts

## Data Collector

- EMS personnel if Cardiac Arrest (E11\_01) is answered Yes

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

## References to Other Databases

- **UTSTEIN** Title: Resuscitations Attempted; Attempted Defibrillation = D, Attempted Chest Compressions = C, Attempted Ventilation = V, Not Attempted-DNR Orders = R, Not Attempted-Considered Futile = F, Not Attempted-Signs of Circulation = A, Unknown = U, Not Record

# FIRST MONITORED RHYTHM OF THE PATIENT

E11\_05

**Data Format** [combo] single-choice

## Definition

Documentation of what the first monitored rhythm which was noted

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *FirstMonitoredRhythm*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** No

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	2325	Asystole
2330	Bradycardia	2335	Normal Sinus Rhythm
2340	Other	2345	PEA
2350	Unknown AED Non-Shockable Rhythm	2355	Unknown AED Shockable Rhythm
2360	Ventricular Fibrillation	2365	Ventricular Tachycardia

## Additional Information

- Complete only if Cardiac Arrest (E11\_01) is “Yes”

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the First Monitored Rhythm of a cardiac arrest
- Allows for evaluation of Cardiac Arrest data for Quality Improvement of patient care and agency response

## Data Collector

- EMS personnel if Cardiac Arrest (E11\_01) is answered Yes

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

## References to Other Databases

- **NFIRS 5.0** EMS Module; Title: Initial Arrest Rhythm; Pick-List: V-Fib//V-Tach = 1, Other = O, Undetermined = U
- **UTSTEIN** Title: First Monitored Rhythm Shockable (in Cardiac Arrest) and First Monitored Rhythm Non-Shockable; [combo] Ventricular Fibrillation, Ventricular Tachycardia, Unknown AED Shockable Rhythm, Asystole, PEA, Bradycardia, Other, Unknown AED Non-Shockable Rh

# ANY RETURN OF SPONTANEOUS CIRCULATION

E11\_06

**Data Format** [combo] single-choice

## Definition

Indication whether or not there was any return of spontaneous circulation at any time during the EMS event.

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *ReturnOfSpontaneousCirculation*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** No

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

0 No

2370 Yes, Prior to ED Arrival Only

2375 Yes, Prior to ED Arrival and at the ED

## Additional Information

- Complete only if Cardiac Arrest (E11\_01) is “Yes”

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the Return of Spontaneous Circulation associated with a cardiac arrest
- Allows for evaluation of Cardiac Arrest data for Quality Improvement of patient care and agency response

## Data Collector

- EMS personnel if Cardiac Arrest (E11\_01) is answered Yes

## Other Associated Elements

E00 Common Null Values

E01\_01 Patient Care Report Number

## References in NHTSA Version 1

Desirable Element 64 Return of Spontaneous Circulation

## References to Other Databases

- UTSTEIN Title: Any Return of Spontaneous Circulation (ROSC); [combo] Yes = Y, No = No, U = Unknown

# ESTIMATED TIME OF ARREST PRIOR TO EMS ARRIVAL

E11\_08

**Data Format** [combo] single-choice

## Definition

The length of time the patient was down (estimated) before the responding unit arrived at the patient

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *EstimatedTimeOfArrestPriorToEMS*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** No

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	2390	>20 Minutes
2395	15-20 Minutes	2400	10-15 Minutes
2405	8-10 Minutes	2410	6-8 Minutes
2415	4-6 Minutes	2420	2-4 Minutes
2425	0-2 Minutes		

## Additional Information

- Complete only if Cardiac Arrest (E11\_01) is “Yes”

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows for evaluation of Cardiac Arrest data for Quality Improvement of patient care and agency response

## Data Collector

- EMS personnel if Cardiac Arrest (E11\_01) is answered Yes

## Other Associated Elements

**E00** Common Null Values **E01\_01** Patient Care Report Number

# DATE/TIME RESUSCITATION DISCONTINUED

E11\_09

**Data Format** [date/time]

## Definition

The date/time the CPR was discontinued (or could be time of death)

**XSD Data Type** *xs:dateTime*

**XSD Domain (Simple Type)** *DateTime*

**Multiple Entry Configuration** No

**Accepts Null** Yes, but null value is blank or empty

**Required in XSD** No

**Minimum Constraint** 1,990

**Maximum Constraint** 2,030

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- Complete only if Cardiac Arrest (E11\_01) is “Yes”
- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows for evaluation of Cardiac Arrest data for Quality Improvement of patient care and agency response

## Data Collector

- EMS personnel if Cardiac Arrest (E11\_01) is answered Yes

## Other Associated Elements

E01\_01 Patient Care Report Number

## References in NHTSA Version 1

Desirable Element 60 Time CPR Discontinued

REASON CPR DISCONTINUED

E11\_10

Data Format [combo] single-choice

Definition

The reason that CPR or the resuscitation efforts were discontinued.

XSD Data Type *xs:integer* XSD Domain (Simple Type) *ReasonCPRDiscontinued*  
Multiple Entry Configuration No Accepts Null Yes  
Required in XSD No

Field Values

- |   |  |
|---|--|
| -25 Not Applicable                          | -10 Not Known  |
| -5 Not Available                            | 2430 DNR   |
| 2435 Medical Control Order                  | 2440 Obvious Signs of Death                                |
| 2445 Protocol/Policy Requirements Completed | 2450 Return of Spontaneous Circulation (pulse or BP noted) |

Additional Information

- Complete only if Cardiac Arrest (E11\_01) is “Yes”

Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows for evaluation of Cardiac Arrest data for Quality Improvement of patient care and agency response

Data Collector

- EMS personnel if Cardiac Arrest (E11\_01) is answered Yes

Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
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# CARDIAC RHYTHM ON ARRIVAL AT DESTINATION

E11\_11

**Data Format** [combo] multiple-choice

## Definition

The patient's cardiac rhythm upon delivery or transfer to the destination

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *CardiacRythmAtDestination*

**Multiple Entry Configuration** Yes

**Accepts Null** Yes

**Required in XSD** No

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	2455	12 Lead ECG-Anterior Ischemia
2460	12 Lead ECG-Inferior Ischemia	2465	12 Lead ECG-Lateral Ischemia
2470	Agonal/Idioventricular	2475	Artifact
2480	Asystole	2485	Atrial Fibrillation/Flutter
2490	AV Block-1st Degree	2495	AV Block-2nd Degree-Type 1
2500	AV Block-2nd Degree-Type 2	2505	AV Block-3rd Degree
2510	Junctional	2515	Left Bundle Branch Block
2520	Normal Sinus Rhythm	2525	Other
2530	Paced Rhythm	2535	PEA
2540	Premature Atrial Contractions	2545	Premature Ventricular Contractions
2550	Right Bundle Branch Block	2555	Sinus Arrhythmia
2560	Sinus Bradycardia	2565	Sinus Tachycardia
2570	Supraventricular Tachycardia	2575	Torsades De Points
2580	Unknown AED Non-Shockable Rhythm	2585	Unknown AED Shockable Rhythm
2590	Ventricular Fibrillation	2595	Ventricular Tachycardia

## Additional Information

- Complete only if Cardiac Arrest (E11\_01) is “Yes”
- This data point could be completed by documentation of the final rhythm in the Vital Signs Section (E14) with the appropriate time

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows for evaluation of Cardiac Arrest data for Quality Improvement of patient care and agency response

## Data Collector

- EMS personnel if Cardiac Arrest (E11\_01) is answered Yes

## Other Associated Elements

E00 Common Null Values

E01\_01 Patient Care Report Number

## References in NHTSA Version 1

Desirable Element 67 Rhythm at Destination

# ***Medical History***

# BARRIERS TO PATIENT CARE

E12\_01

**Data Format** [combo] multiple-choice

*National Element*

## Definition

Indication of whether or not there were any patient specific barriers to serving the patient at the scene

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *BarriersToPatientCare*

**Multiple Entry Configuration** Yes

**Accepts Null** Yes

**Required in XSD** Yes

## Field Values

-25	Not Applicable	-15	Not Reporting
-10	Not Known	-5	Not Available
2600	Developmentally Impaired	2605	Hearing Impaired
2610	Language	2615	None
2620	Physically Impaired	2625	Physically Restrained
2630	Speech Impaired	2635	Unattended or Unsupervised (including minors)
2640	Unconscious		

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on any barriers to patient care
- Allows data to describe any barriers to care within the EMS agency which is important to many federal initiatives

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

## References in NHTSA Version 1

Desirable Element 56 Factors Affecting EMS Delivery of Care

## References to Other Databases

- NFIRS 5.0 EMS Module; Title: Human Factors; Describes the human factors that contributed to the patient's injury; Pick-List: Asleep = 1, Unconscious = 2, Possibly Impaired by Alcohol = 3, Possibly Impaired by Other Drug or Chemical = 4, Possibly Mentally Disabled = 5, Physically Disabled = 6, Physically Restrained = 7, Unattended or Unsupervised Person, Included are too young to act = 8, None or No Human Factors = N

Data Format [text]

Definition

The medical record number of the medical facility who is transferring care to EMS

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	<i>SendingFacilityRecordNumber</i>
Multiple Entry Configuration	No	Accepts Null	Yes
Required in XSD	No	Minimum Constraint	2
		Maximum Constraint	30

Field Values

- 25

Not Applicable
- 5

Not Available
- 10

Not Known

•

Relevant Value for Data Element & Patient Care

Uses

- A component of the EMS Medical Record: Patient Care Report
- Used to connect information between two hospitals
- Used to link EMS data to hospital data

Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
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DESTINATION MEDICAL RECORD NUMBER

E12\_03

Data Format [text]

Definition

The patient’s medical record number at the patient’s receiving facility

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>DestinationMedicalRecordNumber</i>
<b>Multiple Entry Configuration</b>	No	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	2
		<b>Maximum Constraint</b>	30

Field Values

- 25 Not Applicable
- 5 Not Available
- 10 Not Known
  - Relevant Value for Data Element & Patient Care

Uses

- A component of the EMS Medical Record: Patient Care Report
- Used to connect information between two hospitals
- Used to link EMS data to hospital data

Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
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Data Format [combo] multiple-choice

Definition

The presence of a valid for of living will of document directing end of life or healthcare treatment decisions

XSD Data Type	<i>xs:integer</i>	XSD Domain (Simple Type)	<i>AdvanceDirectives</i>
Multiple Entry Configuration	Yes	Accepts Null	Yes
Required in XSD	No		

Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	2645	State/EMS DNR Form
2650	Other Healthcare DNR Form	2655	Living Will
2660	Family/Guardian request DNR (but no documentation)	2665	Other
2670	None		

Additional Information

- DNR = Do Not Resuscitate

Uses

- Can be used to describe the EMS population and adjust EMS resources as needed
- Part of an EMS Medical Record

Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
E06_01	Last Name		

# MEDICATION ALLERGIES

E12\_08

**Data Format** [combo] multiple-choice

## Definition

The patient’s medication allergies

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>MedicationAllergies</i>
<b>Multiple Entry Configuration</b>	Yes	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	2
		<b>Maximum Constraint</b>	30

## Field Values

- 25 Not Applicable

-5 Not Available

- NKDA (No Known Drug Allergies)
- 10 Not Known

- Relevant Value for Data Element & Patient Care

## Additional Information

- A Drug List should be created to serve as a list box which can contain any generic or trade name of a drug approved by the FDA
- Alternatively, the drugs may be entered as a multiple entry text configuration

## Uses

- Part of an EMS Medical Record

## Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

## Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
<b>E06_01</b>	Last Name		

Data Format [combo] multiple-choice

Definition

The patient’s known allergies to food or environmental agents.

XSD Data Type	<i>xs:integer</i>	XSD Domain (Simple Type)	<i>EnvironmentalFoodAllergies</i>
Multiple Entry Configuration	Yes	Accepts Null	Yes
Required in XSD	No		

Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	2675	Insect Sting
2680	Food Allergy	2685	Latex
2690	Chemical	2695	Other
2700	None		

Uses

- Part of an EMS Medical Record

Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
E06_01	Last Name		

# CURRENT MEDICATIONS

E12\_14

**Data Format** [combo or text] multiple-choice

## Definition

The medications the patient currently takes

**XSD Data Type** *xs:string*

**XSD Domain (Simple Type)** *CurrentMedicationName*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** No

**Required in XSD** No

**Minimum Constraint** 2

**Maximum Constraint** 30

XSD Structure: (1) E12\_14, E12\_15, E12\_16, and E12\_17 are all members of E12\_14\_0 Current Medications Structure. (2) E12\_15 and E12\_16 are members of E12\_15\_0 Current Medication Dose Structure

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- A Drug List should be created to serve as a listbox which can contain any generic or trade name of a drug approved by the FDA
- Alternatively, the drugs may be entered as a multiple entry text configuration
- The Drug List should also include “None”

## Uses

- Part of an EMS Medical Record

## Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

## Other Associated Elements

**E01\_01** Patient Care Report Number

**E12\_15** Current Medication Dose

**E12\_16** Current Medication Dosage Unit

**E12\_17** Current Medication Administration Route

# CURRENT MEDICATION DOSE

E12\_15

Data Format [number]

## Definition

The numeric dose or amount of the patient’s current medication

<b>XSD Data Type</b>	<i>xs:decimal</i>	<b>XSD Domain (Simple Type)</b>	<i>CurrentMedicationDose</i>
<b>Multiple Entry Configuration</b>	Yes, via structure	<b>Accepts Null</b>	No
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	0
		<b>Maximum Constraint</b>	1,000,000

XSD Structure: (1) E12\_14, E12\_15, E12\_16, and E12\_17 are all members of E12\_14\_0 Current Medications Structure. (2) E12\_15 and E12\_16 are members of E12\_15\_0 Current Medication Dose Structure

## Field Values

- Relevant Value for Data Element & Patient Care

## Uses

- Part of an EMS Medical Record

## Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

## Other Associated Elements

<b>E01_01</b>	Patient Care Report Number	<b>E12_14</b>	Current Medications
<b>E12_16</b>	Current Medication Dosage Unit	<b>E12_17</b>	Current Medication Administration Route

# CURRENT MEDICATION DOSAGE UNIT

E12\_16

**Data Format** [combo] single-choice

## Definition

The dosage unit of the patient's current medication

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *CurrentMedicationDosageUnit*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** No

**Required in XSD** No

XSD Structure: (1) E12\_14, E12\_15, E12\_16, and E12\_17 are all members of E12\_14\_0 Current Medications Structure. (2) E12\_15 and E12\_16 are members of E12\_15\_0 Current Medication Dose Structure

## Field Values

2785 GMS

2795 IU

2805 L/MIN

2815 LPM

2825 MCG/KG/MIN

2835 MG

2845 ML

2855 Other

2790 Inches

2800 KVO (TKO)

2810 LITERS

2820 MCG

2830 MEQ

2840 MG/KG/MIN

2850 ML/HR

2860 Puffs

## Uses

- Part of an EMS Medical Record

## Data Collector

- EMS personnel or electronically through linkage with a pre-existing Patient Care Report or hospital database

## Other Associated Elements

**E01\_01** Patient Care Report Number

**E12\_15** Current Medication Dose

**E12\_14** Current Medications

**E12\_17** Current Medication Administration Route

## References to Other Databases

- DEEDS DEEDS/HL-7 Version 2.3

# ALCOHOL/DRUG USE INDICATORS

E12\_19

**Data Format** [combo] multiple-choice

*National Element*

## Definition

Indicators for the potential use of Alcohol or Drugs by the patient.

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *AlcoholDrugUseIndicators*

**Multiple Entry Configuration** Yes

**Accepts Null** Yes

**Required in XSD** Yes

## Field Values

-25 Not Applicable

-15 Not Reporting

-10 Not Known

-5 Not Available

2985 Smell of Alcohol on Breath

2990 Patient Admits to Alcohol Use

2995 Patient Admits to Drug Use

3000 Alcohol and/or Drug Paraphernalia at Scene

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on alcohol/drug use indicators
- Allows data to describe Alcohol and Drug use within the EMS patient population

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

## References in NHTSA Version 1

Essential Element 57 Suspected Alcohol/Drug Use

## References to Other Databases

- **NFIRS 5.0** EMS Module; Title: Human Factors; Describes the human factors that contributed to the patient's injury; Pick-List: Asleep = 1, Unconscious = 2, Possibly Impaired by Alcohol = 3, Possibly Impaired by Other Drug or Chemical = 4, Possibly Mentally Disabled = 5, Physically Disabled = 6, Physically Restrained = 7, Unattended or Unsupervised Person, Included are too young to act = 8, None or No Human Factors = N

# ***Narrative***

RUN REPORT NARRATIVE

E13\_01

Data Format [text]

Definition

The narrative of the run report

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>RunReportNarrative</i>
<b>Multiple Entry Configuration</b>	No	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	2
		<b>Maximum Constraint</b>	4,000

Field Values

- 25 Not Applicable
- 5 Not Available
- 10 Not Known
  - Relevant Value for Data Element & Patient Care

Additional Information

- Large capacity text field such as a “memo” or equivalent

Uses

- Part of an EMS Medical Record

Data Collector

- EMS personnel but could be auto-generated based on the information entered into an electronic patient care report

Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
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# ***Assessment/ Vital Signs***

# DATE/TIME VITAL SIGNS TAKEN

E14\_01

**Data Format** [date/time]

## Definition

Date/Time Vital Signs Taken

**XSD Data Type** *xs:dateTime*

**XSD Domain (Simple Type)** *DateTime*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes, but null value is blank or empty

**Required in XSD** No

**Minimum Constraint** 1,990

**Maximum Constraint** 2,030

XSD Structure: Each element in section E14 is associated with a E14\_01 Date/Time

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used
- Multiple Entry Configuration to allow multiple sets of Vital Signs

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel or may be provided electronically through a medical device

## Other Associated Elements

E01\_01 Patient Care Report Number

## References to Other Databases

- NFIRS 5.0 EMS Module; Title: Patient Pulse; Presence of a Pulse at the time of patient transfer to another service.; Pick-List: Pulse on Transfer = 1, No; Pulse of Transfer = 2

# OBTAINED PRIOR TO THIS UNITS EMS CARE

E14\_02

**Data Format** [combo] single-choice

## Definition

Indicates that the information which is documented was obtained prior to the EMS unit's care creting this patient care report

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *YesNoValues*

**Multiple Entry Configuration**

Yes, via structure

**Accepts Null**

Yes

**Required in XSD** No

XSD Structure: Each element is section E14 is associated with a E14\_01 Date/Time

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

0 No

1 Yes

## Additional Information

- If E14\_02 is “Yes”, the Date/Time Vital Signs Taken (E14\_01) is not required

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

E00 Common Null Values

E01\_01 Patient Care Report Number

E14\_01 Date/Time Vital Signs Taken

# CARDIAC RHYTHM

E14\_03

**Data Format** [combo] multiple-choice

## Definition

The initial cardiac rhythm of the patient as interpreted by EMS personnel

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *CardiacRhythm*

**Multiple Entry Configuration** (1) Yes, via structure. (2) Yes  
**Accepts Null** Yes  
for each E14\_01 Date/Time

**Required in XSD** No

XSD Structure: Each element in section E14 is associated with a E14\_01 Date/Time

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	3005	12 Lead ECG-Anterior Ischemia
3010	12 Lead ECG-Inferior Ischemia	3015	12 Lead ECG-Lateral Ischemia
3020	Agonal/Idioventricular	3025	Artifact
3030	Asystole	3035	Atrial Fibrillation/Flutter
3040	AV Block-1st Degree	3045	AV Block-2nd Degree-Type 1
3050	AV Block-2nd Degree-Type 2	3055	AV Block-3rd Degree
3060	Junctional	3065	Left Bundle Branch Block
3070	Normal Sinus Rhythm	3075	Other
3080	Paced Rhythm	3085	PEA
3090	Premature Atrial Contractions	3095	Premature Ventricular Contractions
3100	Right Bundle Branch Block	3105	Sinus Arrhythmia
3110	Sinus Bradycardia	3115	Sinus Tachycardia
3120	Supraventricular Tachycardia	3125	Torsades De Points
3130	Unknown AED Non-Shockable Rhythm	3135	Unknown AED Shockable Rhythm
3140	Ventricular Fibrillation	3145	Ventricular Tachycardia

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel or may be provided electronically through a medical device

## Other Associated Elements

E00 Common Null Values

E01\_01 Patient Care Report Number

E14\_01 Date/Time Vital Signs Taken

## References in NHTSA Version 1

Desirable Element 66 Initial Cardiac Rhythm

# SBP (SYSTOLIC BLOOD PRESSURE)

E14\_04

**Data Format** [number]

## Definition

The patient's systolic blood pressure

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *SBP*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes, but null value is blank or empty

**Required in XSD** No

**Minimum Constraint** 0

**Maximum Constraint** 400

XSD Structure: (1) Each element in section E14 is associated with a E14\_01 Date/Time. (2) E14\_04, E14\_05, and E14\_06 are all members of E14\_04\_0 Blood Pressure Structure

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- Could be collected from Device Systolic Blood Pressure (E21\_14)

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel or may be provided electronically through a medical device

## Other Associated Elements

**E01\_01** Patient Care Report Number

**E14\_01** Date/Time Vital Signs Taken

**E14\_05** DBP (Diastolic Blood Pressure)

**E14\_06** Method of Blood Pressure Measurement

## References in NHTSA Version 1

Essential Element 70 Systolic Blood Pressure

# DBP (DIASTOLIC BLOOD PRESSURE)

E14\_05

**Data Format** [number]

## Definition

The patient's diastolic blood pressure

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *DBP*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes, but null value is blank or empty

**Required in XSD** No

**Minimum Constraint** 0

**Maximum Constraint** 300

XSD Structure: (1) Each element in section E14 is associated with a E14\_01 Date/Time. (2) E14\_04, E14\_05, and E14\_06 are all members of E14\_04\_0 Blood Pressure Structure

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- Could be collected from Device Diastolic Blood Pressure (E21\_15)

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel or may be provided electronically through a medical device

## Other Associated Elements

**E01\_01** Patient Care Report Number

**E14\_01** Date/Time Vital Signs Taken

**E14\_04** SBP (Systolic Blood Pressure)

**E14\_06** Method of Blood Pressure Measurement

## References in NHTSA Version 1

Essential Element 71 Diastolic Blood Pressure

# PULSE RATE

E14\_07

**Data Format** [number]

## Definition

The patient's pulse rate, palpated or auscultated, expressed as a number per minute

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *PulseRate*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes, but null value is blank or empty

**Required in XSD** No

**Minimum Constraint** 0

**Maximum Constraint** 500

XSD Structure: Each element in section E14 is associated with a E14\_01 Date/Time

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- Could be collected from Device Pulse Rate (E21\_13)

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel or may be provided electronically through a medical device

## Other Associated Elements

**E01\_01** Patient Care Report Number

**E14\_01** Date/Time Vital Signs Taken

## References in NHTSA Version 1

Essential Element 65 Pulse Rate

## References to Other Databases

- NFIRS 5.0 EMS Module; Title: Patient Pulse; Presence of a Pulse at the time of patient transfer to another service.; Pick-List: Pulse on Transfer = 1, No; Pulse of Transfer = 2

# PULSE OXIMETRY

E14\_09

Data Format [number]

## Definition

The patient's oxygen saturation

<b>XSD Data Type</b>	<i>xs:integer</i>	<b>XSD Domain (Simple Type)</b>	<i>PulseOximetry</i>
<b>Multiple Entry Configuration</b>	Yes, via structure	<b>Accepts Null</b>	Yes, but null value is blank or empty
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	0
		<b>Maximum Constraint</b>	100

XSD Structure: Each element in section E14 is associated with a E14\_01 Date/Time

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- Could be collected from Device Pulse Oximetry (E21\_17)

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel or may be provided electronically through a medical device

## Other Associated Elements

<b>E01_01</b>	Patient Care Report Number	<b>E14_01</b>	Date/Time Vital Signs Taken
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PULSE RHYTHM

E14\_10

Data Format [combo] single-choice

Definition

The clinical rhythm of the patients pulse (regular, irregular, etc.)

XSD Data Type *xs:integer* XSD Domain (Simple Type) *PulseRhythm*  
Multiple Entry Configuration Yes, via structure Accepts Null Yes  
Required in XSD No

XSD Structure: Each element in section E14 is associated with a E14\_01 Date/Time

Field Values

-25 Not Applicable -10 Not Known  
-5 Not Available 3175 Regular  
3180 Irregular

Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values E01\_01 Patient Care Report Number  
E14\_01 Date/Time Vital Signs Taken

# RESPIRATORY RATE

**E14\_11**

**Data Format** [number]

## Definition

The patient's respiratory rate expressed as a number per minute

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *RespiratoryRate*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes, but null value is blank or empty

**Required in XSD** No

**Minimum Constraint** 0

**Maximum Constraint** 100

XSD Structure: Each element in section E14 is associated with a E14\_01 Date/Time

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- Could be collected from Device Respiratory Rate (E21\_16)

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel or may be provided electronically through a medical device

## Other Associated Elements

**E01\_01** Patient Care Report Number

**E14\_01** Date/Time Vital Signs Taken

## References in NHTSA Version 1

Essential Element 68 Respiratory Rate

# RESPIRATORY EFFORT

E14\_12

Data Format [text]

## Definition

The patient’s respiratory effort

<b>XSD Data Type</b>	<i>xs:integer</i>	<b>XSD Domain (Simple Type)</b>	<i>RespiratoryEffort</i>
<b>Multiple Entry Configuration</b>	Yes, via structure	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No		
XSD Structure: Each element in section E14 is associated with a E14_01 Date/Time			

## Field Values

<b>-25</b> Not Applicable	<b>-10</b> Not Known
<b>-5</b> Not Available	<b>3185</b> Normal
<b>3190</b> Labored	<b>3195</b> Fatigued
<b>3200</b> Absent	<b>3205</b> Not Assessed

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
<b>E14_01</b>	Date/Time Vital Signs Taken		

## References in NHTSA Version 1

Desirable Element 69 Respiratory Effort

# BLOOD GLUCOSE LEVEL

E14\_14

Data Format [number]

## Definition

The patient's blood glucose level

<b>XSD Data Type</b>	<i>xs:integer</i>	<b>XSD Domain (Simple Type)</b>	<i>BloodGlucoseLevel</i>
<b>Multiple Entry Configuration</b>	Yes, via structure	<b>Accepts Null</b>	Yes, but null value is blank or empty
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	0
		<b>Maximum Constraint</b>	2,000

XSD Structure: Each element in section E14 is associated with a E14\_01 Date/Time

## Field Values

- Relevant Value for Data Element & Patient Care

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel or may be provided electronically through a medical device

## Other Associated Elements

<b>E01_01</b>	Patient Care Report Number	<b>E14_01</b>	Date/Time Vital Signs Taken
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# GLASGOW COMA SCORE-EYE

E14\_15

**Data Format** [number]

## Definition

The patient's Glasgow Coma Score Eye opening

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *GCSEye*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes, but null value is blank or empty

**Required in XSD** No

**Minimum Constraint** 1

**Maximum Constraint** 4

XSD Structure: (1) Each element in section E14 is associated with a E14\_01 Date/Time. (2) E14\_15, E14\_16, E14\_17, and E14\_18 are all members of E14\_15\_0 GCS Score Structure

## Field Values

- For All Age Groups: 1 = Does Not Open Eyes •
- For All Age Groups: 2 = Opens Eyes to painful stimulation •
- For All Age Groups: 3 = Opens Eyes to verbal stimulation •
- For All Age Groups: 4 = Opens Eyes spontaneously •

## Additional Information

- Can be configured as a single choice list box

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

**E01\_01** Patient Care Report Number

**E14\_01** Date/Time Vital Signs Taken

**E14\_16** Glasgow Coma Score-Verbal

**E14\_17** Glasgow Coma Score-Motor

**E14\_18** Glasgow Coma Score-Qualifier

**E14\_19** Total Glasgow Coma Score

## References in NHTSA Version 1

Essential Element 73 Glasgow Eye Opening Component

# GLASGOW COMA SCORE-VERBAL

E14\_16

**Data Format** [number]

## Definition

The patient's Glasgow Coma Score Verbal

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *GCSVerbal*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes, but null value is blank or empty

**Required in XSD** No

**Minimum Constraint** 1

**Maximum Constraint** 5

XSD Structure: (1) Each element in section E14 is associated with a E14\_01 Date/Time. (2) E14\_15, E14\_16, E14\_17, and E14\_18 are all members of E14\_15\_0 GCS Score Structure

## Field Values

- Patients 0-23 months: 1 = None • Patients 2-5 years: 1 = None
- Patients 0-23 months: 2 = Persistent cry • Patients 2-5 years: 2 = Grunts
- Patients 0-23 months: 3 = Inappropriate cry • Patients 2-5 years: 3 = Cries and/or screams
- Patients 0-23 months: 4 = Cries, inconsolable • Patients 2-5 years: 4 = Inappropriate words
- Patients 0-23 months: 5 = Smiles, coos, cries appropriately • Patients 2-5 years: 5 = Appropriate words
- •
- Patients >5 years: 1 = None •
- Patients >5 years: 2 = Non-specified sounds •
- Patients >5 years: 3 = Inappropriate words •
- Patients >5 years: 4 = Confused conversation or speech •
- Patients >5 years: 5 = Oriented and appropriate speech

## Additional Information

- Can be configured as a single choice list box

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

**E01\_01** Patient Care Report Number

**E14\_01** Date/Time Vital Signs Taken

**E14\_15** Glasgow Coma Score-Eye

**E14\_17** Glasgow Coma Score-Motor

**E14\_18** Glasgow Coma Score-Qualifier

**E14\_19** Total Glasgow Coma Score

## References in NHTSA Version 1

Essential Element 74a Glasgow Verbal Component For patients >5 years

Essential Element 74b Glasgow Verbal Component For patients 2-5 years

Essential Element 74c Glasgow Verbal Component for patients 0-23 months

# GLASGOW COMA SCORE-MOTOR

E14\_17

**Data Format** [number]

## Definition

The patient's Glasgow Coma Score Motor

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *GCSMotor*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes, but null value is blank or empty

**Required in XSD** No

**Minimum Constraint** 1

**Maximum Constraint** 6

XSD Structure: (1) Each element in section E14 is associated with a E14\_01 Date/Time. (2) E14\_15, E14\_16, E14\_17, and E14\_18 are all members of E14\_15\_0 GCS Score Structure

## Field Values

- Patients up to 5 years: 1 = None
- Patients up to 5 years: 2 = Extensor posturing in response to painful stimulation
- Patients up to 5 years: 3 = Flexor posturing in response to painful stimulation
- Patients up to 5 years: 4 = General withdrawal in response to painful stimulation
- Patients up to 5 years: 5 = Localization of painful stimulation
- Patients up to 5 years: 6 = Spontaneous
- Patients >5 years: 1 = None
- Patients >5 years: 2 = Extensor posturing in response to painful stimulation
- Patients >5 years: 3 = Flexor posturing in response to painful stimulation
- Patients >5 years: 4 = General withdrawal in response to painful stimulation
- Patients >5 years: 5 = Localization of painful stimulation
- Patients >5 years: 6 = Obeys commands with appropriate motor responses

## Additional Information

- Can be configured as a single choice list box

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

**E01\_01** Patient Care Report Number

**E14\_01** Date/Time Vital Signs Taken

**E14\_15** Glasgow Coma Score-Eye

**E14\_16** Glasgow Coma Score-Verbal

**E14\_18** Glasgow Coma Score-Qualifier

**E14\_19** Total Glasgow Coma Score

## References in NHTSA Version 1

Essential Element 75a Glasgow Motor Component For patients >5 years

Essential Element 75b Glasgow Motor Component For patients up to 5 years

# GLASGOW COMA SCORE-QUALIFIER

E14\_18

**Data Format** [combo] single-choice

## Definition

Documentation of factors which make the GCS score more meaningful.

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *GCSQualifier*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes

**Required in XSD** No

XSD Structure: (1) Each element in section E14 is associated with a E14\_01 Date/Time. (2) E14\_15, E14\_16, E14\_17, and E14\_18 are all members of E14\_15\_0 GCS Score Structure

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

3210 Initial GCS has legitimate values without interventions

such

as intubation and sedation

3215 Patient Chemically Sedated

3220 Patient Intubated

3225 Patient Intubated and Chemically Paralyzed

## Additional Information

- Can be configured as a single choice list box

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

**E14\_01** Date/Time Vital Signs Taken

**E14\_15** Glasgow Coma Score-Eye

**E14\_16** Glasgow Coma Score-Verbal

**E14\_17** Glasgow Coma Score-Motor

**E14\_19** Total Glasgow Coma Score

# TOTAL GLASGOW COMA SCORE

E14\_19

**Data Format** [number]

## Definition

The patient's total Glasgow Coma Score

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *TotalGCS*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes, but null value is blank or empty

**Required in XSD** No

**Minimum Constraint** 1

**Maximum Constraint** 15

XSD Structure: Each element in section E14 is associated with a E14\_01 Date/Time

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- Calculated from Glasgow Coma Score-Eye (E14\_15), Glasgow Coma Score-Verbal (E14\_16), and Glasgow Coma Score-Motor (E14\_17)

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel but could be auto-generated based on the information entered into an electronic patient care report

## Other Associated Elements

**E01\_01** Patient Care Report Number

**E14\_01** Date/Time Vital Signs Taken

**E14\_15** Glasgow Coma Score-Eye

**E14\_16** Glasgow Coma Score-Verbal

**E14\_17** Glasgow Coma Score-Motor

**E14\_18** Glasgow Coma Score-Qualifier

## References in NHTSA Version 1

Desirable Element 76 Glasgow Coma Score (Total)

# TEMPERATURE

E14\_20

**Data Format** [number]

## Definition

The patient's body temperature in degrees celsius/centigrade.

**XSD Data Type** *xs:decimal*

**XSD Domain (Simple Type)** *BodyTemperature*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes, but null value is blank or empty

**Required in XSD** No

**Minimum Constraint** 0

**Maximum Constraint** 50

XSD Structure: (1) Each element in section E14 is associated with a E14\_01 Date/Time. (2) E14\_20 and E14\_21 are members of E14\_20\_0 Temperature Structure.

## Field Values

- Relevant Value for Data Element & Patient Care

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel or may be provided electronically through a medical device

## Other Associated Elements

**E01\_01** Patient Care Report Number

**E14\_01** Date/Time Vital Signs Taken

**E14\_21** Temperature Method

# TEMPERATURE METHOD

E14\_21

Data Format [combo] single-choice

## Definition

The method used to obtain the patient’s body temperature

XSD Data Type *xs:integer* XSD Domain (Simple Type) *TemperatureMethod*  
Multiple Entry Configuration Yes, via structure Accepts Null No

Required in XSD No

XSD Structure: (1) Each element in section E14 is associated with a E14\_01 Date/Time. (2) E14\_20 and E14\_21 are members of E14\_20\_0 Temperature Structure.

## Field Values

3230 Axillary	3235 Oral
3240 Rectal	3245 Tympanic
3250 Urinary catheter	

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel or may be provided electronically through a medical device

## Other Associated Elements

E01_01 Patient Care Report Number	E14_01 Date/Time Vital Signs Taken
E14_20 Temperature	

# LEVEL OF RESPONSIVENESS

E14\_22

**Data Format** [combo] single-choice

## Definition

The patients level of responsiveness

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *LevelOfResponsiveness*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes

**Required in XSD** No

XSD Structure: Each element in section E14 is associated with a E14\_01 Date/Time

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

3255 Alert

3260 Verbal

3265 Painful

3270 Unresponsive

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

E00 Common Null Values

E01\_01 Patient Care Report Number

E14\_01 Date/Time Vital Signs Taken

# PAIN SCALE

E14\_23

Data Format [number]

## Definition

The patient’s indication of pain from a scale of 0 –10.

<b>XSD Data Type</b>	<i>xs:integer</i>	<b>XSD Domain (Simple Type)</b>	<i>PainScale</i>
<b>Multiple Entry Configuration</b>	Yes, via structure	<b>Accepts Null</b>	Yes, but null value is blank or empty
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	0
		<b>Maximum Constraint</b>	10

XSD Structure: Each element in section E14 is associated with a E14\_01 Date/Time

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- Number from 0 to 10

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS agency

## Other Associated Elements

<b>E01_01</b>	Patient Care Report Number	<b>E14_01</b>	Date/Time Vital Signs Taken
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# STROKE SCALE

E14\_24

**Data Format** [combo] single-choice

## Definition

The patient's Los Angeles or Cincinnati Stroke Scale Results

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *StrokeScale*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes

**Required in XSD** No

XSD Structure: Each element in section E14 is associated with a E14\_01 Date/Time

## Field Values

**-25** Not Applicable

**-5** Not Available

**3280** Cincinnati Stroke Scale Non-conclusive

**3290** LA Stroke Scale Negative

**3300** LA Stroke Scale Positive

**-10** Not Known

**3275** Cincinnati Stroke Scale Negative

**3285** Cincinnati Stroke Scale Positive

**3295** LA Stroke Scale Non-conclusive

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E14\_01** Date/Time Vital Signs Taken

**E01\_01** Patient Care Report Number

# THROMBOLYTIC SCREEN

E14\_25

Data Format [combo] single-choice

## Definition

The results of the patient’s Thrombolytic Screen for potential Thrombolytic use

XSD Data Type *xs:integer* XSD Domain (Simple Type) *ThrombolyticScreen*  
Multiple Entry Configuration Yes, via structure Accepts Null Yes

Required in XSD No

XSD Structure: Each element is section E14 is associated with a E14\_01 Date/Time

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	3305	Definite Contraindications to Thrombolytic use
3310	No Contraindications to Thrombolytic Use	3315	Possible Contraindications to Thrombolytic Use

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
E14_01	Date/Time Vital Signs Taken		

**Data Format** [number]**Definition**

The patient's total APGAR score (0-10). Recommended to be taken at 1 and 5 minutes after the infants birth

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *APGAR*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** No

**Required in XSD** No

**Minimum Constraint** 0

**Maximum Constraint** 10

XSD Structure: Each element in section E14 is associated with a E14\_01 Date/Time

**Field Values**

- Relevant Value for Data Element & Patient Care

**Additional Information**

- Apgar score could be configured as a single choice combo box with values from 0 -10
- Color: 0 = Blue, Pale, 1 = Body Pink, Extremities Blue, 2 = Pink
- Heart Rate: 0 = Absent, 1 = <100, 2 = >100
- Muscle Tone: 0 = Limp, 1 = Some Flexion, 2 = Good Flexion
- Reflex Irritability (when feet stimulated): 0 = No Response, 1 = Some Motion, 2 = Cry
- Respiratory Effort: 0 = Absent, 1 = Weak Cry, 2 = Strong Cry
- The appropriate number for each of the 5 components should be added together

**Uses**

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

**Data Collector**

- EMS personnel

**Other Associated Elements**

**E01\_01** Patient Care Report Number

**E14\_01** Date/Time Vital Signs Taken

# REVISED TRAUMA SCORE

E14\_27

**Data Format** [number]

## Definition

The patient's Revised Trauma Score

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *RTS*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null**

Yes, but null value is blank or empty

**Required in XSD** No

**Minimum Constraint** 0

**Maximum Constraint** 12

XSD Structure: Each element in section E14 is associated with a E14\_01 Date/Time

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- Calculated based on 3 components
- Can be auto-calculated from Respiratory Rate (E14\_11), Systolic Blood Pressure (E14\_04), and Total GCS (E14\_19), if all three components are documented at the same Time (E14\_01)
- Neurological Component: 4 = Glasgow coma score 13 - 15, 3 = Glasgow coma score 9 - 12, 2 = Glasgow coma score 6 - 8, 1 = Glasgow coma score 4 - 5, 0 = Glasgow coma score 3
- Respiratory Rate Component: 4 = 10 - 29 per minute, 3 = >29 per minute, 2 = 6 - 9 per minute, 1 = 1 - 5 per minute, 0 = None spontaneous
- Systolic Blood Pressure Component: 4 = >89 mm Hg, 3 = 76 - 89 mm Hg, 2 = 50 - 75 mm Hg, 1 = 1 - 49 mm Hg, 0 = No pulse

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel but could be auto-generated based on the information entered into an electronic patient care report

## Other Associated Elements

**E01\_01** Patient Care Report Number

**E14\_01** Date/Time Vital Signs Taken

## References in NHTSA Version 1

Desirable Element 77 Revised Trauma Score

# PEDIATRIC TRAUMA SCORE

E14\_28

**Data Format** [number]

## Definition

The Trauma Score for patients age 12 and under

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *PediatricTraumaScore*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes, but null value is blank or empty

**Required in XSD** No

**Minimum Constraint** -6

**Maximum Constraint** 12

XSD Structure: Each element in section E14 is associated with a E14\_01 Date/Time

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- Age 12 and Under
- Calculated by adding the appropriate response for each of the 5 components below:
- Can be auto-calculated if programming logic is used to confirm all 5 components
- Component Airway: 2 = Normal, 1 = Maintainable, -1 = Un-maintainable or Intubated
- Component CNS: 2 = Awake, 1 = Altered Mental Status/Obtunded, -1 = Coma/Abnormal Flexion
- Component Open Wounds: 2 = None, 1 = Minor, -1 = Major/Penetrating
- Component Size: 2 = >20 kg, 1 = 10 – 20 kg, -1 = <10 kg
- Component Skeletal Injury: 2 = None, 1 = Closed Fracture, -1 = Open/Multiple Fractures
- Component Systolic Blood Pressure: 2 = > 90 mmHg (or palpable pulse at wrist), 1 = 50–90 mmHg (or palpable pulse at groin), -1 = < 50 mmHg (or no pulse palpable)

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel but could be auto-generated based on the information entered into an electronic patient care report

## Other Associated Elements

**E01\_01** Patient Care Report Number

**E14\_01** Date/Time Vital Signs Taken

# ***Assessment/ Exam***

# ESTIMATED BODY WEIGHT

E16\_01

Data Format [number]

## Definition

The patient’s body weight in kilograms, either measured or estimated

<b>XSD Data Type</b>	<i>xs:integer</i>	<b>XSD Domain (Simple Type)</b>	<i>EstimatedBodyWeight</i>
<b>Multiple Entry Configuration</b>	No	<b>Accepts Null</b>	No
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	1
		<b>Maximum Constraint</b>	500

## Field Values

- Relevant Value for Data Element & Patient Care

## Uses

- Part of an EMS Medical Record and to better determine equipment sizes and medication dosages
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

E01\_01 Patient Care Report Number

# SKIN ASSESSMENT

E16\_04

**Data Format** [combo] multiple-choice

## Definition

The assessment of the patient's skin on examination

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *SkinAssessment*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes

**Required in XSD** No

XSD Structure: All data elements beginning with E16\_03 and ending with E16\_24 are all members of E16\_00\_0 Assessment Structure

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	3420	Normal
3425	Not Done	3430	Clammy
3435	Cold	3440	Cyanotic
3445	Jaundiced	3450	Lividity
3455	Mottled	3460	Pale
3465	Warm		

## Additional Information

- Associated in Database schema to Date/Time (E16\_03) to allow multiple assessments

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
E16_03	Date/Time of Assessment	E16_05	Head/Face Assessment
E16_06	Neck Assessment	E16_07	Chest/Lungs Assessment
E16_08	Heart Assessment	E16_09	Abdomen Left Upper Assessment
E16_10	Abdomen Left Lower Assessment	E16_11	Abdomen Right Upper Assessment
E16_12	Abdomen Right Lower Assessment	E16_13	GU Assessment
E16_14	Back Cervical Assessment	E16_15	Back Thoracic Assessment
E16_16	Back Lumbar/Sacral Assessment	E16_17	Extremities-Right Upper Assessment
E16_18	Extremities-Right Lower Assessment	E16_19	Extremities-Left Upper Assessment
E16_20	Extremities-Left Lower Assessment	E16_21	Eyes-Left Assessment
E16_22	Eyes-Right Assessment	E16_23	Mental Status Assessment
E16_24	Neurological Assessment		

## References in NHTSA Version 1

Desirable Element 72 Skin Perfusion

# HEAD/FACE ASSESSMENT

E16\_05

**Data Format** [combo] multiple-choice

## Definition

The assessment of the patient's face on examination

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *HeadFaceAssessment*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes

**Required in XSD** No

XSD Structure: All data elements beginning with E16\_03 and ending with E16\_24 are all members of E16\_00\_0 Assessment Structure

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	3470	Normal
3475	Not Done	3480	Asymmetric Smile or Droop
3485	Drainage	3490	Mass/Lesion
3495	Swelling		

## Additional Information

- Associated in Database schema to Date/Time (E16\_03) to allow multiple assessments

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
<b>E16_03</b>	Date/Time of Assessment	<b>E16_04</b>	Skin Assessment
<b>E16_06</b>	Neck Assessment	<b>E16_07</b>	Chest/Lungs Assessment
<b>E16_08</b>	Heart Assessment	<b>E16_09</b>	Abdomen Left Upper Assessment
<b>E16_10</b>	Abdomen Left Lower Assessment	<b>E16_11</b>	Abdomen Right Upper Assessment
<b>E16_12</b>	Abdomen Right Lower Assessment	<b>E16_13</b>	GU Assessment
<b>E16_14</b>	Back Cervical Assessment	<b>E16_15</b>	Back Thoracic Assessment
<b>E16_16</b>	Back Lumbar/Sacral Assessment	<b>E16_17</b>	Extremities-Right Upper Assessment
<b>E16_18</b>	Extremities-Right Lower Assessment	<b>E16_19</b>	Extremities-Left Upper Assessment
<b>E16_20</b>	Extremities-Left Lower Assessment	<b>E16_21</b>	Eyes-Left Assessment
<b>E16_22</b>	Eyes-Right Assessment	<b>E16_23</b>	Mental Status Assessment
<b>E16_24</b>	Neurological Assessment		

# NECK ASSESSMENT

E16\_06

**Data Format** [combo] multiple-choice

## Definition

The assessment of the patient's head & neck area on examination

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *NeckAssessment*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes

**Required in XSD** No

XSD Structure: All data elements beginning with E16\_03 and ending with E16\_24 are all members of E16\_00\_0 Assessment Structure

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	3500	Normal
3505	Not Done	3510	JVD
3515	Strider	3520	SubQ Air
3525	Tracheal Dev		

## Additional Information

- Associated in Database schema to Date/Time (E16\_03) to allow multiple assessments

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
<b>E16_03</b>	Date/Time of Assessment	<b>E16_04</b>	Skin Assessment
<b>E16_05</b>	Head/Face Assessment	<b>E16_07</b>	Chest/Lungs Assessment
<b>E16_08</b>	Heart Assessment	<b>E16_09</b>	Abdomen Left Upper Assessment
<b>E16_10</b>	Abdomen Left Lower Assessment	<b>E16_11</b>	Abdomen Right Upper Assessment
<b>E16_12</b>	Abdomen Right Lower Assessment	<b>E16_13</b>	GU Assessment
<b>E16_14</b>	Back Cervical Assessment	<b>E16_15</b>	Back Thoracic Assessment
<b>E16_16</b>	Back Lumbar/Sacral Assessment	<b>E16_17</b>	Extremities-Right Upper Assessment
<b>E16_18</b>	Extremities-Right Lower Assessment	<b>E16_19</b>	Extremities-Left Upper Assessment
<b>E16_20</b>	Extremities-Left Lower Assessment	<b>E16_21</b>	Eyes-Left Assessment
<b>E16_22</b>	Eyes-Right Assessment	<b>E16_23</b>	Mental Status Assessment
<b>E16_24</b>	Neurological Assessment		

# CHEST/LUNGS ASSESSMENT

E16\_07

**Data Format** [combo] multiple-choice

## Definition

The assessment of the patient's chest on examination

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *ChestLungsAssessment*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes

**Required in XSD** No

XSD Structure: All data elements beginning with E16\_03 and ending with E16\_24 are all members of E16\_00\_0 Assessment Structure

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	3530	Normal
3535	Not Done	3540	Accessory Muscles
3545	Decreased BS-Left	3550	Decreased BS-Right
3555	Flail Segment-Left	3560	Flail Segment-Right
3565	Increased Effort	3570	Normal BS
3575	Rales	3580	Rhonchi/Wheezing
3585	Tenderness-Left	3590	Tenderness-Right

## Additional Information

- Associated in Database schema to Date/Time (E16\_03) to allow multiple assessments

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
E16_03	Date/Time of Assessment	E16_04	Skin Assessment
E16_05	Head/Face Assessment	E16_06	Neck Assessment
E16_08	Heart Assessment	E16_09	Abdomen Left Upper Assessment
E16_10	Abdomen Left Lower Assessment	E16_11	Abdomen Right Upper Assessment
E16_12	Abdomen Right Lower Assessment	E16_13	GU Assessment
E16_14	Back Cervical Assessment	E16_15	Back Thoracic Assessment
E16_16	Back Lumbar/Sacral Assessment	E16_17	Extremities-Right Upper Assessment
E16_18	Extremities-Right Lower Assessment	E16_19	Extremities-Left Upper Assessment
E16_20	Extremities-Left Lower Assessment	E16_21	Eyes-Left Assessment
E16_22	Eyes-Right Assessment	E16_23	Mental Status Assessment
E16_24	Neurological Assessment		

# HEART ASSESSMENT

E16\_08

**Data Format** [combo] multiple-choice

## Definition

The assessment of the patient's heart on examination

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *HeartAssessment*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes

**Required in XSD** No

XSD Structure: All data elements beginning with E16\_03 and ending with E16\_24 are all members of E16\_00\_0 Assessment Structure

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

3595 Normal

3600 Not Done

3605 Decreased Sounds

3610 Murmur

## Additional Information

- Associated in Database schema to Date/Time (E16\_03) to allow multiple assessments

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E16\_03** Date/Time of Assessment

**E16\_06** Neck Assessment

**E16\_07** Chest/Lungs Assessment

**E16\_10** Abdomen Left Lower Assessment

**E16\_12** Abdomen Right Lower Assessment

**E16\_14** Back Cervical Assessment

**E16\_16** Back Lumbar/Sacral Assessment

**E16\_18** Extremities-Right Lower Assessment

**E16\_20** Extremities-Left Lower Assessment

**E16\_22** Eyes-Right Assessment

**E16\_24** Neurological Assessment

**E01\_01** Patient Care Report Number

**E16\_05** Head/Face Assessment

**E16\_07** Chest/Lungs Assessment

**E16\_09** Abdomen Left Upper Assessment

**E16\_11** Abdomen Right Upper Assessment

**E16\_13** GU Assessment

**E16\_15** Back Thoracic Assessment

**E16\_17** Extremities-Right Upper Assessment

**E16\_19** Extremities-Left Upper Assessment

**E16\_21** Eyes-Left Assessment

**E16\_23** Mental Status Assessment

# ABDOMEN LEFT UPPER ASSESSMENT

E16\_09

**Data Format** [combo] multiple-choice

## Definition

The assessment of the patient's left upper abdomen on examination

**XSD Data Type** *xs:integer* **XSD Domain (Simple Type)** *AbdomenLeftUpperAssessment*

**Multiple Entry Configuration** Yes, via structure **Accepts Null** Yes

**Required in XSD** No

XSD Structure: All data elements beginning with E16\_03 and ending with E16\_24 are all members of E16\_00\_0 Assessment Structure

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	3615	Normal
3620	Not Done	3625	Distention
3630	Guarding	3635	Mass
3640	Tenderness		

## Additional Information

- Associated in Database schema to Date/Time (E16\_03) to allow multiple assessments

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
E16_03	Date/Time of Assessment	E16_04	Skin Assessment
E16_05	Head/Face Assessment	E16_06	Neck Assessment
E16_07	Chest/Lungs Assessment	E16_08	Heart Assessment
E16_10	Abdomen Left Lower Assessment	E16_11	Abdomen Right Upper Assessment
E16_12	Abdomen Right Lower Assessment	E16_13	GU Assessment
E16_14	Back Cervical Assessment	E16_15	Back Thoracic Assessment
E16_16	Back Lumbar/Sacral Assessment	E16_17	Extremities-Right Upper Assessment
E16_18	Extremities-Right Lower Assessment	E16_19	Extremities-Left Upper Assessment
E16_20	Extremities-Left Lower Assessment	E16_21	Eyes-Left Assessment
E16_22	Eyes-Right Assessment	E16_23	Mental Status Assessment
E16_24	Neurological Assessment		

# ABDOMEN LEFT LOWER ASSESSMENT

E16\_10

**Data Format** [combo] multiple-choice

## Definition

The assessment of the patient's left lower abdomen on examination

**XSD Data Type** *xs:integer* **XSD Domain (Simple Type)** *AbdomenLowerLeftAssessment*

**Multiple Entry Configuration** Yes, via structure **Accepts Null** Yes

**Required in XSD** No

XSD Structure: All data elements beginning with E16\_03 and ending with E16\_24 are all members of E16\_00\_0 Assessment Structure

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	3645	Normal
3650	Not Done	3655	Distention
3660	Guarding	3665	Mass
3670	Tenderness		

## Additional Information

- Associated in Database schema to Date/Time (E16\_03) to allow multiple assessments

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
<b>E16_03</b>	Date/Time of Assessment	<b>E16_04</b>	Skin Assessment
<b>E16_05</b>	Head/Face Assessment	<b>E16_06</b>	Neck Assessment
<b>E16_07</b>	Chest/Lungs Assessment	<b>E16_08</b>	Heart Assessment
<b>E16_09</b>	Abdomen Left Upper Assessment	<b>E16_11</b>	Abdomen Right Upper Assessment
<b>E16_12</b>	Abdomen Right Lower Assessment	<b>E16_13</b>	GU Assessment
<b>E16_14</b>	Back Cervical Assessment	<b>E16_15</b>	Back Thoracic Assessment
<b>E16_16</b>	Back Lumbar/Sacral Assessment	<b>E16_17</b>	Extremities-Right Upper Assessment
<b>E16_18</b>	Extremities-Right Lower Assessment	<b>E16_19</b>	Extremities-Left Upper Assessment
<b>E16_20</b>	Extremities-Left Lower Assessment	<b>E16_21</b>	Eyes-Left Assessment
<b>E16_22</b>	Eyes-Right Assessment	<b>E16_23</b>	Mental Status Assessment
<b>E16_24</b>	Neurological Assessment		

# ABDOMEN RIGHT UPPER ASSESSMENT

E16\_11

**Data Format** [combo] multiple-choice

## Definition

The assessment of the patient's right upper abdomen on examination

**XSD Data Type** *xs:integer* **XSD Domain (Simple Type)** *AbdomenRightUpperAssessment*

**Multiple Entry Configuration** Yes, via structure **Accepts Null** Yes

**Required in XSD** No

XSD Structure: All data elements beginning with E16\_03 and ending with E16\_24 are all members of E16\_00\_0 Assessment Structure

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	3675	Normal
3680	Not Done	3685	Distention
3690	Guarding	3695	Mass
3700	Tenderness		

## Additional Information

- Associated in Database schema to Date/Time (E16\_03) to allow multiple assessments

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
E16_03	Date/Time of Assessment	E16_04	Skin Assessment
E16_05	Head/Face Assessment	E16_06	Neck Assessment
E16_07	Chest/Lungs Assessment	E16_08	Heart Assessment
E16_09	Abdomen Left Upper Assessment	E16_10	Abdomen Left Lower Assessment
E16_12	Abdomen Right Lower Assessment	E16_13	GU Assessment
E16_14	Back Cervical Assessment	E16_15	Back Thoracic Assessment
E16_16	Back Lumbar/Sacral Assessment	E16_17	Extremities-Right Upper Assessment
E16_18	Extremities-Right Lower Assessment	E16_19	Extremities-Left Upper Assessment
E16_20	Extremities-Left Lower Assessment	E16_21	Eyes-Left Assessment
E16_22	Eyes-Right Assessment	E16_23	Mental Status Assessment
E16_24	Neurological Assessment		

# ABDOMEN RIGHT LOWER ASSESSMENT

E16\_12

**Data Format** [combo] multiple-choice

## Definition

The assessment of the patient's right lower abdomen on examination

**XSD Data Type** *xs:integer* **XSD Domain (Simple Type)** *AbdomenRightLowerAssessment*

**Multiple Entry Configuration** Yes, via structure **Accepts Null** Yes

**Required in XSD** No

XSD Structure: All data elements beginning with E16\_03 and ending with E16\_24 are all members of E16\_00\_0 Assessment Structure

## Field Values

-25 Not Applicable	-10 Not Known
-5 Not Available	3705 Normal
3710 Not Done	3715 Distention
3720 Guarding	3725 Mass
3730 Tenderness	

## Additional Information

- Associated in Database schema to Date/Time (E16\_03) to allow multiple assessments

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

<b>E00</b> Common Null Values	<b>E01_01</b> Patient Care Report Number
<b>E16_03</b> Date/Time of Assessment	<b>E16_04</b> Skin Assessment
<b>E16_05</b> Head/Face Assessment	<b>E16_06</b> Neck Assessment
<b>E16_07</b> Chest/Lungs Assessment	<b>E16_08</b> Heart Assessment
<b>E16_09</b> Abdomen Left Upper Assessment	<b>E16_10</b> Abdomen Left Lower Assessment
<b>E16_11</b> Abdomen Right Upper Assessment	<b>E16_13</b> GU Assessment
<b>E16_14</b> Back Cervical Assessment	<b>E16_15</b> Back Thoracic Assessment
<b>E16_16</b> Back Lumbar/Sacral Assessment	<b>E16_17</b> Extremities-Right Upper Assessment
<b>E16_18</b> Extremities-Right Lower Assessment	<b>E16_19</b> Extremities-Left Upper Assessment
<b>E16_20</b> Extremities-Left Lower Assessment	<b>E16_21</b> Eyes-Left Assessment
<b>E16_22</b> Eyes-Right Assessment	<b>E16_23</b> Mental Status Assessment
<b>E16_24</b> Neurological Assessment	

**Data Format** [combo] multiple-choice

## Definition

The assessment of the patient's GU area on examination

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *GUAssessment*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes

**Required in XSD** No

XSD Structure: All data elements beginning with E16\_03 and ending with E16\_24 are all members of E16\_00\_0 Assessment Structure

## Field Values

-25 Not Applicable	-10 Not Known
-5 Not Available	3735 Normal
3740 Not Done	3745 Crowning
3750 Genital Injury	3755 Tenderness
3760 Unstable	

## Additional Information

- Associated in Database schema to Date/Time (E16\_03) to allow multiple assessments

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

<b>E00</b> Common Null Values	<b>E01_01</b> Patient Care Report Number
<b>E16_03</b> Date/Time of Assessment	<b>E16_04</b> Skin Assessment
<b>E16_05</b> Head/Face Assessment	<b>E16_06</b> Neck Assessment
<b>E16_07</b> Chest/Lungs Assessment	<b>E16_08</b> Heart Assessment
<b>E16_09</b> Abdomen Left Upper Assessment	<b>E16_10</b> Abdomen Left Lower Assessment
<b>E16_11</b> Abdomen Right Upper Assessment	<b>E16_12</b> Abdomen Right Lower Assessment
<b>E16_14</b> Back Cervical Assessment	<b>E16_15</b> Back Thoracic Assessment
<b>E16_16</b> Back Lumbar/Sacral Assessment	<b>E16_17</b> Extremities-Right Upper Assessment
<b>E16_18</b> Extremities-Right Lower Assessment	<b>E16_19</b> Extremities-Left Upper Assessment
<b>E16_20</b> Extremities-Left Lower Assessment	<b>E16_21</b> Eyes-Left Assessment
<b>E16_22</b> Eyes-Right Assessment	<b>E16_23</b> Mental Status Assessment
<b>E16_24</b> Neurological Assessment	

# BACK CERVICAL ASSESSMENT

E16\_14

**Data Format** [combo] multiple-choice

## Definition

The assessment of the patient's back-cervical on examination

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *BackCervicalAssessment*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes

**Required in XSD** No

XSD Structure: All data elements beginning with E16\_03 and ending with E16\_24 are all members of E16\_00\_0 Assessment Structure

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	3765	Normal
3770	Not Done	3775	Pain to ROM
3780	Tender Para-spinous	3785	Tender Spinous Process

## Additional Information

- Associated in Database schema to Date/Time (E16\_03) to allow multiple assessments

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
<b>E16_03</b>	Date/Time of Assessment	<b>E16_04</b>	Skin Assessment
<b>E16_05</b>	Head/Face Assessment	<b>E16_06</b>	Neck Assessment
<b>E16_07</b>	Chest/Lungs Assessment	<b>E16_08</b>	Heart Assessment
<b>E16_09</b>	Abdomen Left Upper Assessment	<b>E16_10</b>	Abdomen Left Lower Assessment
<b>E16_11</b>	Abdomen Right Upper Assessment	<b>E16_12</b>	Abdomen Right Lower Assessment
<b>E16_13</b>	GU Assessment	<b>E16_15</b>	Back Thoracic Assessment
<b>E16_16</b>	Back Lumbar/Sacral Assessment	<b>E16_17</b>	Extremities-Right Upper Assessment
<b>E16_18</b>	Extremities-Right Lower Assessment	<b>E16_19</b>	Extremities-Left Upper Assessment
<b>E16_20</b>	Extremities-Left Lower Assessment	<b>E16_21</b>	Eyes-Left Assessment
<b>E16_22</b>	Eyes-Right Assessment	<b>E16_23</b>	Mental Status Assessment
<b>E16_24</b>	Neurological Assessment		

# BACK THORACIC ASSESSMENT

E16\_15

**Data Format** [combo] multiple-choice

## Definition

The assessment of the patient's back-thoracic on examination

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *BackThoracicAssessment*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes

**Required in XSD** No

XSD Structure: All data elements beginning with E16\_03 and ending with E16\_24 are all members of E16\_00\_0 Assessment Structure

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	3790	Normal
3795	Not Done	3800	Pain to ROM
3805	Tender Para-spinous	3810	Tender Spinous Process

## Additional Information

- Associated in Database schema to Date/Time (E16\_03) to allow multiple assessments

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
<b>E16_03</b>	Date/Time of Assessment	<b>E16_04</b>	Skin Assessment
<b>E16_05</b>	Head/Face Assessment	<b>E16_06</b>	Neck Assessment
<b>E16_07</b>	Chest/Lungs Assessment	<b>E16_08</b>	Heart Assessment
<b>E16_09</b>	Abdomen Left Upper Assessment	<b>E16_10</b>	Abdomen Left Lower Assessment
<b>E16_11</b>	Abdomen Right Upper Assessment	<b>E16_12</b>	Abdomen Right Lower Assessment
<b>E16_13</b>	GU Assessment	<b>E16_14</b>	Back Cervical Assessment
<b>E16_16</b>	Back Lumbar/Sacral Assessment	<b>E16_17</b>	Extremities-Right Upper Assessment
<b>E16_18</b>	Extremities-Right Lower Assessment	<b>E16_19</b>	Extremities-Left Upper Assessment
<b>E16_20</b>	Extremities-Left Lower Assessment	<b>E16_21</b>	Eyes-Left Assessment
<b>E16_22</b>	Eyes-Right Assessment	<b>E16_23</b>	Mental Status Assessment
<b>E16_24</b>	Neurological Assessment		

# BACK LUMBAR/SACRAL ASSESSMENT

E16\_16

**Data Format** [combo] multiple-choice

## Definition

The assessment of the patient's back-lumbar/sacral on examination

**XSD Data Type** *xs:integer* **XSD Domain (Simple Type)** *BackLumbarSacralAssessment*

**Multiple Entry Configuration** Yes, via structure **Accepts Null** Yes

**Required in XSD** No

XSD Structure: All data elements beginning with E16\_03 and ending with E16\_24 are all members of E16\_00\_0 Assessment Structure

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	3815	Normal
3820	Not Done	3825	Pain to ROM
3830	Tender Para-spinous	3835	Tender Spinous Process

## Additional Information

- Associated in Database schema to Date/Time (E16\_03) to allow multiple assessments

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
<b>E16_03</b>	Date/Time of Assessment	<b>E16_04</b>	Skin Assessment
<b>E16_05</b>	Head/Face Assessment	<b>E16_06</b>	Neck Assessment
<b>E16_07</b>	Chest/Lungs Assessment	<b>E16_08</b>	Heart Assessment
<b>E16_09</b>	Abdomen Left Upper Assessment	<b>E16_10</b>	Abdomen Left Lower Assessment
<b>E16_11</b>	Abdomen Right Upper Assessment	<b>E16_12</b>	Abdomen Right Lower Assessment
<b>E16_13</b>	GU Assessment	<b>E16_14</b>	Back Cervical Assessment
<b>E16_15</b>	Back Thoracic Assessment	<b>E16_17</b>	Extremities-Right Upper Assessment
<b>E16_18</b>	Extremities-Right Lower Assessment	<b>E16_19</b>	Extremities-Left Upper Assessment
<b>E16_20</b>	Extremities-Left Lower Assessment	<b>E16_21</b>	Eyes-Left Assessment
<b>E16_22</b>	Eyes-Right Assessment	<b>E16_23</b>	Mental Status Assessment
<b>E16_24</b>	Neurological Assessment		

# EXTREMITIES-RIGHT UPPER ASSESSMENT

E16\_17

**Data Format** [combo] multiple-choice

## Definition

The assessment of the patient's right upper extremities on examination

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *ExtremitiesRightUpperAssessment*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes

**Required in XSD** No

XSD Structure: All data elements beginning with E16\_03 and ending with E16\_24 are all members of E16\_00\_0 Assessment Structure

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	3840	Normal
3845	Not Done	3850	Abnormal Pulse
3855	Abnormal Sensation	3860	Edema
3865	Tenderness	3870	Weakness

## Additional Information

- Associated in Database schema to Date/Time (E16\_03) to allow multiple assessments

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
<b>E16_03</b>	Date/Time of Assessment	<b>E16_04</b>	Skin Assessment
<b>E16_05</b>	Head/Face Assessment	<b>E16_06</b>	Neck Assessment
<b>E16_07</b>	Chest/Lungs Assessment	<b>E16_08</b>	Heart Assessment
<b>E16_09</b>	Abdomen Left Upper Assessment	<b>E16_10</b>	Abdomen Left Lower Assessment
<b>E16_11</b>	Abdomen Right Upper Assessment	<b>E16_12</b>	Abdomen Right Lower Assessment
<b>E16_13</b>	GU Assessment	<b>E16_14</b>	Back Cervical Assessment
<b>E16_15</b>	Back Thoracic Assessment	<b>E16_16</b>	Back Lumbar/Sacral Assessment
<b>E16_18</b>	Extremities-Right Lower Assessment	<b>E16_19</b>	Extremities-Left Upper Assessment
<b>E16_20</b>	Extremities-Left Lower Assessment	<b>E16_21</b>	Eyes-Left Assessment
<b>E16_22</b>	Eyes-Right Assessment	<b>E16_23</b>	Mental Status Assessment
<b>E16_24</b>	Neurological Assessment		

# EXTREMITIES-RIGHT LOWER ASSESSMENT

E16\_18

**Data Format** [combo] multiple-choice

## Definition

The assessment of the patient's right lower extremities on examination

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *ExtremitiesRightLowerAssessment*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes

**Required in XSD** No

XSD Structure: All data elements beginning with E16\_03 and ending with E16\_24 are all members of E16\_00\_0 Assessment Structure

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	3875	Normal
3880	Not Done	3885	Abnormal Pulse
3890	Abnormal Sensation	3895	Edema
3900	Tenderness	3905	Weakness

## Additional Information

- Associated in Database schema to Date/Time (E16\_03) to allow multiple assessments

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
<b>E16_03</b>	Date/Time of Assessment	<b>E16_04</b>	Skin Assessment
<b>E16_05</b>	Head/Face Assessment	<b>E16_06</b>	Neck Assessment
<b>E16_07</b>	Chest/Lungs Assessment	<b>E16_08</b>	Heart Assessment
<b>E16_09</b>	Abdomen Left Upper Assessment	<b>E16_10</b>	Abdomen Left Lower Assessment
<b>E16_11</b>	Abdomen Right Upper Assessment	<b>E16_12</b>	Abdomen Right Lower Assessment
<b>E16_13</b>	GU Assessment	<b>E16_14</b>	Back Cervical Assessment
<b>E16_15</b>	Back Thoracic Assessment	<b>E16_16</b>	Back Lumbar/Sacral Assessment
<b>E16_17</b>	Extremities-Right Upper Assessment	<b>E16_19</b>	Extremities-Left Upper Assessment
<b>E16_20</b>	Extremities-Left Lower Assessment	<b>E16_21</b>	Eyes-Left Assessment
<b>E16_22</b>	Eyes-Right Assessment	<b>E16_23</b>	Mental Status Assessment
<b>E16_24</b>	Neurological Assessment		

# EXTREMITIES-LEFT UPPER ASSESSMENT

E16\_19

**Data Format** [combo] multiple-choice

## Definition

The assessment of the patient's left upper extremities on examination

**XSD Data Type** *xs:integer* **XSD Domain (Simple Type)** *ExtremitiesLeftUpperAssessment*

**Multiple Entry Configuration** Yes, via structure **Accepts Null** Yes

**Required in XSD** No

XSD Structure: All data elements beginning with E16\_03 and ending with E16\_24 are all members of E16\_00\_0 Assessment Structure

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	3910	Normal
3915	Not Done	3920	Abnormal Pulse
3925	Abnormal Sensation	3930	Edema
3935	Tenderness	3940	Weakness

## Additional Information

- Associated in Database schema to Date/Time (E16\_03) to allow multiple assessments

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
<b>E16_03</b>	Date/Time of Assessment	<b>E16_04</b>	Skin Assessment
<b>E16_05</b>	Head/Face Assessment	<b>E16_06</b>	Neck Assessment
<b>E16_07</b>	Chest/Lungs Assessment	<b>E16_08</b>	Heart Assessment
<b>E16_09</b>	Abdomen Left Upper Assessment	<b>E16_10</b>	Abdomen Left Lower Assessment
<b>E16_11</b>	Abdomen Right Upper Assessment	<b>E16_12</b>	Abdomen Right Lower Assessment
<b>E16_13</b>	GU Assessment	<b>E16_14</b>	Back Cervical Assessment
<b>E16_15</b>	Back Thoracic Assessment	<b>E16_16</b>	Back Lumbar/Sacral Assessment
<b>E16_17</b>	Extremities-Right Upper Assessment	<b>E16_18</b>	Extremities-Right Lower Assessment
<b>E16_20</b>	Extremities-Left Lower Assessment	<b>E16_21</b>	Eyes-Left Assessment
<b>E16_22</b>	Eyes-Right Assessment	<b>E16_23</b>	Mental Status Assessment
<b>E16_24</b>	Neurological Assessment		

# EXTREMITIES-LEFT LOWER ASSESSMENT

E16\_20

**Data Format** [combo] multiple-choice

## Definition

The assessment of the patient's left lower extremities on examination

**XSD Data Type** *xs:integer* **XSD Domain (Simple Type)** *ExtremitiesLeftLowerAssessment*

**Multiple Entry Configuration** Yes, via structure **Accepts Null** Yes

**Required in XSD** No

XSD Structure: All data elements beginning with E16\_03 and ending with E16\_24 are all members of E16\_00\_0 Assessment Structure

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	3945	Normal
3950	Not Done	3955	Abnormal Pulse
3960	Abnormal Sensation	3965	Edema
3970	Tenderness	3975	Weakness

## Additional Information

- Associated in Database schema to Date/Time (E16\_03) to allow multiple assessments

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
<b>E16_03</b>	Date/Time of Assessment	<b>E16_04</b>	Skin Assessment
<b>E16_05</b>	Head/Face Assessment	<b>E16_06</b>	Neck Assessment
<b>E16_07</b>	Chest/Lungs Assessment	<b>E16_08</b>	Heart Assessment
<b>E16_09</b>	Abdomen Left Upper Assessment	<b>E16_10</b>	Abdomen Left Lower Assessment
<b>E16_11</b>	Abdomen Right Upper Assessment	<b>E16_12</b>	Abdomen Right Lower Assessment
<b>E16_13</b>	GU Assessment	<b>E16_14</b>	Back Cervical Assessment
<b>E16_15</b>	Back Thoracic Assessment	<b>E16_16</b>	Back Lumbar/Sacral Assessment
<b>E16_17</b>	Extremities-Right Upper Assessment	<b>E16_18</b>	Extremities-Right Lower Assessment
<b>E16_19</b>	Extremities-Left Upper Assessment	<b>E16_21</b>	Eyes-Left Assessment
<b>E16_22</b>	Eyes-Right Assessment	<b>E16_23</b>	Mental Status Assessment
<b>E16_24</b>	Neurological Assessment		

# EYES-LEFT ASSESSMENT

E16\_21

**Data Format** [combo] multiple-choice

## Definition

The assessment of the patient's left eye on examination

**XSD Data Type** *xs:integer* **XSD Domain (Simple Type)** *EyesLeftAssessment*

**Multiple Entry Configuration** Yes, via structure **Accepts Null** Yes

**Required in XSD** No

XSD Structure: All data elements beginning with E16\_03 and ending with E16\_24 are all members of E16\_00\_0 Assessment Structure

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	3980	Not Done
3985	2-mm	3990	3-mm
3995	4-mm	4000	5-mm
4005	6-mm	4010	7-mm
4015	Blind	4020	Reactive
4025	Non-Reactive		

## Additional Information

- Associated in Database schema to Date/Time (E16\_03) to allow multiple assessments

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
E16_03	Date/Time of Assessment	E16_04	Skin Assessment
E16_05	Head/Face Assessment	E16_06	Neck Assessment
E16_07	Chest/Lungs Assessment	E16_08	Heart Assessment
E16_09	Abdomen Left Upper Assessment	E16_10	Abdomen Left Lower Assessment
E16_11	Abdomen Right Upper Assessment	E16_12	Abdomen Right Lower Assessment
E16_13	GU Assessment	E16_14	Back Cervical Assessment
E16_15	Back Thoracic Assessment	E16_16	Back Lumbar/Sacral Assessment
E16_17	Extremities-Right Upper Assessment	E16_18	Extremities-Right Lower Assessment
E16_19	Extremities-Left Upper Assessment	E16_20	Extremities-Left Lower Assessment
E16_22	Eyes-Right Assessment	E16_23	Mental Status Assessment
E16_24	Neurological Assessment		

# EYES-RIGHT ASSESSMENT

E16\_22

**Data Format** [combo] multiple-choice

## Definition

The assessment of the patient's right eye on examination

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *EyesRightAssessment*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes

**Required in XSD** No

XSD Structure: All data elements beginning with E16\_03 and ending with E16\_24 are all members of E16\_00\_0 Assessment Structure

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	4030	Not Done
4035	2-mm	4040	3-mm
4045	4-mm	4050	5-mm
4055	6-mm	4060	7-mm
4065	Blind	4070	Reactive
4075	Non-Reactive		

## Additional Information

- Associated in Database schema to Date/Time (E16\_03) to allow multiple assessments

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
<b>E16_03</b>	Date/Time of Assessment	<b>E16_04</b>	Skin Assessment
<b>E16_05</b>	Head/Face Assessment	<b>E16_06</b>	Neck Assessment
<b>E16_07</b>	Chest/Lungs Assessment	<b>E16_08</b>	Heart Assessment
<b>E16_09</b>	Abdomen Left Upper Assessment	<b>E16_10</b>	Abdomen Left Lower Assessment
<b>E16_11</b>	Abdomen Right Upper Assessment	<b>E16_12</b>	Abdomen Right Lower Assessment
<b>E16_13</b>	GU Assessment	<b>E16_14</b>	Back Cervical Assessment
<b>E16_15</b>	Back Thoracic Assessment	<b>E16_16</b>	Back Lumbar/Sacral Assessment
<b>E16_17</b>	Extremities-Right Upper Assessment	<b>E16_18</b>	Extremities-Right Lower Assessment
<b>E16_19</b>	Extremities-Left Upper Assessment	<b>E16_20</b>	Extremities-Left Lower Assessment
<b>E16_21</b>	Eyes-Left Assessment	<b>E16_23</b>	Mental Status Assessment
<b>E16_24</b>	Neurological Assessment		

# MENTAL STATUS ASSESSMENT

E16\_23

**Data Format** [combo] multiple-choice

## Definition

The assessment of the patient's mental status on examination

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *MentalStatusAssessment*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes

**Required in XSD** No

XSD Structure: All data elements beginning with E16\_03 and ending with E16\_24 are all members of E16\_00\_0 Assessment Structure

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	4080	Normal
4085	Not Done	4090	Combative
4095	Confused	4100	Hallucinations
4105	Oriented-Person	4110	Oriented-Place
4115	Oriented-Time	4120	Unresponsive

## Additional Information

- Associated in Database schema to Date/Time (E16\_03) to allow multiple assessments

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
E16_03	Date/Time of Assessment	E16_04	Skin Assessment
E16_05	Head/Face Assessment	E16_06	Neck Assessment
E16_07	Chest/Lungs Assessment	E16_08	Heart Assessment
E16_09	Abdomen Left Upper Assessment	E16_10	Abdomen Left Lower Assessment
E16_11	Abdomen Right Upper Assessment	E16_12	Abdomen Right Lower Assessment
E16_13	GU Assessment	E16_14	Back Cervical Assessment
E16_15	Back Thoracic Assessment	E16_16	Back Lumbar/Sacral Assessment
E16_17	Extremities-Right Upper Assessment	E16_18	Extremities-Right Lower Assessment
E16_19	Extremities-Left Upper Assessment	E16_20	Extremities-Left Lower Assessment
E16_21	Eyes-Left Assessment	E16_22	Eyes-Right Assessment
E16_24	Neurological Assessment		

# NEUROLOGICAL ASSESSMENT

E16\_24

**Data Format** [combo] multiple-choice

## Definition

The assessment of the patient's neurological status on examination

**XSD Data Type** *xs:integer* **XSD Domain (Simple Type)** *NeurologicalAssessment*

**Multiple Entry Configuration** Yes, via structure **Accepts Null** Yes

**Required in XSD** No

XSD Structure: All data elements beginning with E16\_03 and ending with E16\_24 are all members of E16\_00\_0 Assessment Structure

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	4125	Normal
4130	Not Done	4135	Abnormal Gait
4140	Facial Droop	4145	Seizures
4150	Speech Normal	4155	Speech Slurring
4160	Tremors	4165	Weakness-Left Sided
4170	Weakness-Right Sided		

## Additional Information

- Associated in Database schema to Date/Time (E16\_03) to allow multiple assessments

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
E16_03	Date/Time of Assessment	E16_04	Skin Assessment
E16_05	Head/Face Assessment	E16_06	Neck Assessment
E16_07	Chest/Lungs Assessment	E16_08	Heart Assessment
E16_09	Abdomen Left Upper Assessment	E16_10	Abdomen Left Lower Assessment
E16_11	Abdomen Right Upper Assessment	E16_12	Abdomen Right Lower Assessment
E16_13	GU Assessment	E16_14	Back Cervical Assessment
E16_15	Back Thoracic Assessment	E16_16	Back Lumbar/Sacral Assessment
E16_17	Extremities-Right Upper Assessment	E16_18	Extremities-Right Lower Assessment
E16_19	Extremities-Left Upper Assessment	E16_20	Extremities-Left Lower Assessment
E16_21	Eyes-Left Assessment	E16_22	Eyes-Right Assessment
E16_23	Mental Status Assessment		

# ***Intervention***

PROTOCOLS USED

E17\_01

Data Format [combo] multiple-choice

Definition

The protocol used by EMS personnel to direct the clinical care of the patient

XSD Data Type	<i>xs:string</i>	XSD Domain (Simple Type)	<i>ProtocolsUsed</i>
Multiple Entry Configuration	Yes	Accepts Null	Yes
Required in XSD	No	Minimum Constraint	2
		Maximum Constraint	30

Field Values

- 25 Not Applicable

-5 Not Available
- 10 Not Known

• Relevant Value for Data Element & Patient Care

Additional Information

- List created from Protocols (D04\_08)

Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel

Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
-----	--------------------	--------	----------------------------

# ***Intervention/ Medication***

# DATE/TIME MEDICATION ADMINISTERED

E18\_01

**Data Format** [date/time]

## Definition

The date/time medication administered to the patient

**XSD Data Type** *xs:dateTime*

**XSD Domain (Simple Type)** *DateTime*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes, but null value is blank or empty

**Required in XSD** No

**Minimum Constraint** 1,990

**Maximum Constraint** 2,030

XSD Structure: All data elements section E18 are members of the E18 Medication Structure

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used
- This is a multiple entry configuration which will allow multiple medication administrations to be documented

## Uses

- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

**E01\_01** Patient Care Report Number

**E18\_02** Medication Administered Prior to this Units  
EMS Care

**E18\_03** Medication Given

**E18\_04** Medication Administered Route

**E18\_05** Medication Dosage

**E18\_06** Medication Dosage Units

**E18\_07** Response to Medication

**E18\_08** Medication Complication

**E18\_09** Medication Crew Member ID

**E18\_10** Medication Authorization

**E18\_11** Medication Authorizing Physician

# MEDICATION ADMINISTERED PRIOR TO THIS UNITS EMS CARE

E18\_02

**Data Format** [combo] single-choice

## Definition

Indicates that the medication administration which is documented was administered prior to this EMS unit's care.

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *YesNoValues*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes

**Required in XSD** No

XSD Structure: All data elements section E18 are members of the E18 Medication Structure

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

0 No

1 Yes

## Additional Information

- If E18\_02 is "Yes", the Date/Time Medication Administered (E18\_01) is not required

## Uses

- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E18\_01** Date/Time Medication Administered

**E18\_04** Medication Administered Route

**E18\_06** Medication Dosage Units

**E18\_08** Medication Complication

**E18\_10** Medication Authorization

**E01\_01** Patient Care Report Number

**E18\_03** Medication Given

**E18\_05** Medication Dosage

**E18\_07** Response to Medication

**E18\_09** Medication Crew Member ID

**E18\_11** Medication Authorizing Physician

# MEDICATION GIVEN

E18\_03

**Data Format** [combo] single-choice

*National Element*

## Definition

The medication given to the patient

**XSD Data Type** *xs:string*

**XSD Domain (Simple Type)** *MedicationsGiven*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes

**Required in XSD** Yes

**Minimum Constraint** 2

**Maximum Constraint** 30

XSD Structure: All data elements section E18 are members of the E18 Medication Structure

## Field Values

-25 Not Applicable

-15 Not Reporting

-10 Not Known

-5 Not Available

- Relevant Value for Data Element & Patient Care

## Additional Information

- List created from Medications (D04\_06)

## Uses

- Allows data to be sorted based on the medical treatment
- Allows data to describe the medications administered by EMS
- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

**E18\_01** Date/Time Medication Administered

**E18\_02** Medication Administered Prior to this Units EMS Care

**E18\_04** Medication Administered Route

**E18\_05** Medication Dosage

**E18\_06** Medication Dosage Units

**E18\_07** Response to Medication

**E18\_08** Medication Complication

**E18\_09** Medication Crew Member ID

**E18\_10** Medication Authorization

**E18\_11** Medication Authorizing Physician

## References in NHTSA Version 1

Essential Element 80 Medication Name

## References to Other Databases

- NFIRS 5.0 EMS Module, Title: Procedures Used, Multi Select List: Airway Insertion = 01, Anti-Shock Trousers = 02, Assisted Ventilation = 03, Bleeding Control = 04, Burn Care = 05, Cardiac Pacing = 06, Cardioversion (defib), Manual = 07, Chest/Abdominal Thrust = 08, CPR = 09, Cricothyroidotomy = 10, Defibrillation by AED = 11, EKG Monitoring = 12, Extrication = 13, Intubation (EGTA) = 14, Intubation (ET) = 15, IO/IV Therapy = 16, Medications Therapy = 17, Oxygen Therapy = 18, Obstetrical Care/Delivery = 19, Pre-Arrival Instruction = 20, Restrained Patient = 21, Spinal Immobilization = 22, Splinted Extremities = 23, Suction/Aspirate = 24, Other Procedure = 00, No Treatment = NN

# MEDICATION ADMINISTERED ROUTE

E18\_04

**Data Format** [combo] single-choice

## Definition

The route that the medication was administered to the patient.

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *MedicationAdministeredRoute*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes

**Required in XSD** No

XSD Structure: All data elements section E18 are members of the E18 Medication Structure

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	4175	Endotracheal tube
4180	Gastrostomy tube	4185	Inhalation
4190	Intramuscular	4191	Intraosseous
4200	Intraocular	4205	Intravenous
4210	Nasal	4215	Nasal prongs
4220	Nasogastric	4225	Ophthalmic
4230	Oral	4235	Other/miscellaneous
4240	Otic	4245	Re-breather mask
4250	Rectal	4255	Subcutaneous
4260	Sublingual	4265	Topical
4270	Tracheostomy	4275	Transdermal
4280	Urethral	4285	Ventimask
4290	Wound		

## Uses

- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
<b>E18_01</b>	Date/Time Medication Administered	<b>E18_02</b>	Medication Administered Prior to this Units EMS Care
<b>E18_03</b>	Medication Given	<b>E18_05</b>	Medication Dosage
<b>E18_06</b>	Medication Dosage Units	<b>E18_07</b>	Response to Medication
<b>E18_08</b>	Medication Complication	<b>E18_09</b>	Medication Crew Member ID
<b>E18_10</b>	Medication Authorization	<b>E18_11</b>	Medication Authorizing Physician

## References to Other Databases

- **DEEDS** DEEDS/HL-7 Version 2.3; [combo] Apply externally = AP, Buccal = B, Dental = DT, Epidural = EP, Endotracheal tube = ET, Gastronomy tube = GTT, Genitourinary irrigant = GU, Intraarterial = IA, Intrabursal = IB, Intracardiac = IC, Intracervical (uterus) = IC

# MEDICATION DOSAGE

E18\_05

**Data Format** [number]

## Definition

The dose or amount of medication given to the patient

**XSD Data Type** *xs:decimal*

**XSD Domain (Simple Type)** *MedicationDosage*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** No

**Required in XSD** No

**Minimum Constraint** 0

**Maximum Constraint** 1,000,000

XSD Structure: (1) All data elements section E18 are members of the E18 Medication Structure. (2) E18\_05 and E18\_06 are members of E18\_05\_0 Medication Dosing Structure

## Field Values

- Relevant Value for Data Element & Patient Care

## Uses

- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

**E01\_01** Patient Care Report Number

**E18\_02** Medication Administered Prior to this Units  
EMS Care

**E18\_04** Medication Administered Route

**E18\_07** Response to Medication

**E18\_09** Medication Crew Member ID

**E18\_11** Medication Authorizing Physician

**E18\_01** Date/Time Medication Administered

**E18\_03** Medication Given

**E18\_06** Medication Dosage Units

**E18\_08** Medication Complication

**E18\_10** Medication Authorization

# MEDICATION DOSAGE UNITS

E18\_06

**Data Format** [combo] single-choice

## Definition

The units of medication dosage given to patient

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *MedicationDosageUnits*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** No

**Required in XSD** No

XSD Structure: (1) All data elements section E18 are members of the E18 Medication Structure. (2) E18\_05 and E18\_06 are members of E18\_05\_0 Medication Dosing Structure

## Field Values

4295 GMS

4305 IU

4315 L/MIN

4325 LPM

4335 MCG/KG/MIN

4345 MG

4355 ML

4365 Other

4300 Inches

4310 KVO (TKO)

4320 LITERS

4330 MCG

4340 MEQ

4350 MG/KG/MIN

4360 ML/HR

4370 Puffs

## Uses

- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

**E01\_01** Patient Care Report Number

**E18\_02** Medication Administered Prior to this Units  
EMS Care

**E18\_03** Medication Given

**E18\_05** Medication Dosage

**E18\_08** Medication Complication

**E18\_10** Medication Authorization

**E18\_01** Date/Time Medication Administered

**E18\_03** Medication Given

**E18\_04** Medication Administered Route

**E18\_07** Response to Medication

**E18\_09** Medication Crew Member ID

**E18\_11** Medication Authorizing Physician

## References to Other Databases

- DEEDS DEEDS/HL-7 Version 2.3

Data Format [combo] single-choice

Definition

The patient’s response to the medication.

XSD Data Type *xs:integer* XSD Domain (Simple Type) *ResponseToMedication*  
Multiple Entry Configuration Yes, via structure Accepts Null Yes

Required in XSD No

XSD Structure: All data elements section E18 are members of the E18 Medication Structure

Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	4375	Improved
4380	Unchanged	4385	Worse

Uses

- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel

Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
E18_01	Date/Time Medication Administered	E18_02	Medication Administered Prior to this Units EMS Care
E18_03	Medication Given	E18_04	Medication Administered Route
E18_05	Medication Dosage	E18_06	Medication Dosage Units
E18_08	Medication Complication	E18_09	Medication Crew Member ID
E18_10	Medication Authorization	E18_11	Medication Authorizing Physician

# MEDICATION COMPLICATION

E18\_08

**Data Format** [combo] multiple-choice

*National Element*

## Definition

Any complication (abnormal effect on the patient) associated with the administration of the medication to the patient by EMS

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *MedicationComplication*

**Multiple Entry Configuration** (1) Yes, via structure. (2) Yes  
for each E14\_01 Date/Time

**Accepts Null**

Yes

**Required in XSD** Yes

XSD Structure: All data elements section E18 are members of the E18 Medication Structure

## Field Values

-25 Not Applicable	-15 Not Reporting
-10 Not Known	-5 Not Available
4390 None	4395 Altered Mental Status
4400 Apnea	4405 Bleeding
4410 Bradycardia	4415 Diarrhea
4420 Extravasation	4425 Hypertension
4430 Hyperthermia	4435 Hypotension
4440 Hypoxia	4445 Injury
4450 Itching/Urticaria	4455 Nausea
4460 Other	4465 Respiratory Distress
4470 Tachycardia	4475 Vomiting

## Uses

- Allows data to be sorted based on medication complication
- Allows data to describe medication complications which occur as a result of EMS treatment
- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

<b>E00</b> Common Null Values	<b>E01_01</b> Patient Care Report Number
<b>E18_01</b> Date/Time Medication Administered	<b>E18_02</b> Medication Administered Prior to this Units EMS Care
<b>E18_03</b> Medication Given	<b>E18_04</b> Medication Administered Route
<b>E18_05</b> Medication Dosage	<b>E18_06</b> Medication Dosage Units
<b>E18_07</b> Response to Medication	<b>E18_09</b> Medication Crew Member ID
<b>E18_10</b> Medication Authorization	<b>E18_11</b> Medication Authorizing Physician

# MEDICATION CREW MEMBER ID

E18\_09

**Data Format** [text]

## Definition

The statewide assigned ID number of the EMS crew member giving the treatment to the patient

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *CrewMemberID*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes

**Required in XSD** No

**Minimum Constraint** 2

**Maximum Constraint** 15

XSD Structure: All data elements section E18 are members of the E18 Medication Structure

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

- Relevant Value for Data Element & Patient Care

## Additional Information

- Linked to State/Licensure ID Number (D07\_02)
- List box created from the State/Licensure ID Number (D07\_02) which could display the Personnel's Names as associated with D08\_01, D08\_02, and D08\_03 for easy data entry

## Uses

- Part of an EMS Medical Record and to document Medication Administration
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E18\_01** Date/Time Medication Administered

**E18\_03** Medication Given

**E18\_05** Medication Dosage

**E18\_07** Response to Medication

**E18\_10** Medication Authorization

**E01\_01** Patient Care Report Number

**E18\_02** Medication Administered Prior to this Units EMS Care

**E18\_04** Medication Administered Route

**E18\_06** Medication Dosage Units

**E18\_08** Medication Complication

**E18\_11** Medication Authorizing Physician

## References in NHTSA Version 1

Essential Element 26 Crew Member One Number

Essential Element 27 Crew Member Two Number

Desirable Element 28 Crew Member Three Number

## Data Format [text]

### Definition

The last name of the authorizing physician ordering the medication administration if the order was provided by any manner other than protocol (standing order) in E18.10

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>LastName</i>
<b>Multiple Entry Configuration</b>	Yes, via structure	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	2
		<b>Maximum Constraint</b>	20

XSD Structure: All data elements section E18 are members of the E18 Medication Structure

### Field Values

- |                    |  |
|--------------------|--|
| -25 Not Applicable | -10 Not Known                                    |
| -5 Not Available   | • Relevant Value for Data Element & Patient Care |

### Additional Information

- Associated with Medication Authorization (E18\_10) if the value is not “Protocol”

### Uses

- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

### Data Collector

- EMS personnel

### Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
<b>E18_01</b>	Date/Time Medication Administered	<b>E18_02</b>	Medication Administered Prior to this Units EMS Care
<b>E18_03</b>	Medication Given	<b>E18_04</b>	Medication Administered Route
<b>E18_05</b>	Medication Dosage	<b>E18_06</b>	Medication Dosage Units
<b>E18_07</b>	Response to Medication	<b>E18_08</b>	Medication Complication
<b>E18_09</b>	Medication Crew Member ID	<b>E18_10</b>	Medication Authorization

# ***Intervention/ Procedure***

# DATE/TIME PROCEDURE PERFORMED SUCCESSFULLY

E19\_01

**Data Format** [date/time]

## Definition

The date and time the procedure was performed on the patient

**XSD Data Type** *xs:dateTime*

**XSD Domain (Simple Type)** *DateTime*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes, but null value is blank or empty

**Required in XSD** No

**Minimum Constraint** 1,990

**Maximum Constraint** 2,030

XSD Structure: Data Elements E19\_01 through E19\_11 are all members of E19\_01\_0 Procedure Structure

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- If the date/time is electronically stored within a database or transmitted via XML as a “tick”, the referenced variables may also be used
- This is a multiple entry configuration which will allow for multiple procedures to be documented

## Uses

- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

<b>E01_01</b>	Patient Care Report Number	<b>E19_02</b>	Procedure Performed Prior to this Units EMS Care
<b>E19_03</b>	Procedure	<b>E19_04</b>	Size of Procedure Equipment
<b>E19_05</b>	Number of Procedure Attempts	<b>E19_06</b>	Procedure Successful
<b>E19_07</b>	Procedure Complication	<b>E19_08</b>	Response to Procedure
<b>E19_09</b>	Procedure Crew Members ID	<b>E19_10</b>	Procedure Authorization
<b>E19_11</b>	Procedure Authorizing Physician	<b>E19_12</b>	Successful IV Site
<b>E19_13</b>	Tube Confirmation	<b>E19_14</b>	Destination Confirmation of Tube Placement

## References in NHTSA Version 1

Desirable Element 58 Time of First CPR

Desirable Element 63 Time of First Defibrillatory Shock

# PROCEDURE PERFORMED PRIOR TO THIS UNITS EMS CARE

E19\_02

**Data Format** [combo] single-choice

## Definition

Indicates that the procedure which was performed and documented was performed prior to this EMS unit's care.

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *YesNoValues*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes

**Required in XSD** No

XSD Structure: Data Elements E19\_01 through E19\_11 are all members of E19\_01\_0 Procedure Structure

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

0 No

1 Yes

## Additional Information

- If E19\_02 is "Yes", the Date/Time Medication Administered (E19\_01) is not required

## Uses

- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

**E19\_01** Date/Time Procedure Performed Successfully

**E19\_03** Procedure

**E19\_04** Size of Procedure Equipment

**E19\_05** Number of Procedure Attempts

**E19\_06** Procedure Successful

**E19\_07** Procedure Complication

**E19\_08** Response to Procedure

**E19\_09** Procedure Crew Members ID

**E19\_10** Procedure Authorization

**E19\_11** Procedure Authorizing Physician

**Data Format** [combo] single-choice

*National Element*

## Definition

The procedure performed on the patient.

**XSD Data Type** *xs:decimal*

**XSD Domain (Simple Type)** *Procedure*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes

**Required in XSD** Yes

**Minimum Constraint** 0

**Maximum Constraint** 1,000

XSD Structure: Data Elements E19\_01 through E19\_11 are all members of E19\_01\_0 Procedure Structure

## Field Values

-25 Not Applicable

-15 Not Reporting

-10 Not Known

-5 Not Available

- Relevant Value for Data Element & Patient Care

## Additional Information

- List created from Procedures (D04\_04)

## Uses

- Allows data to be sorted based on the medical treatment
- Allows data to describe the procedures which are performed by EMS
- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E19\_01** Date/Time Procedure Performed Successfully

**E01\_01** Patient Care Report Number

**E19\_02** Procedure Performed Prior to this Units EMS Care

**E19\_04** Size of Procedure Equipment

**E19\_05** Number of Procedure Attempts

**E19\_06** Procedure Successful

**E19\_07** Procedure Complication

**E19\_08** Response to Procedure

**E19\_09** Procedure Crew Members ID

**E19\_10** Procedure Authorization

**E19\_11** Procedure Authorizing Physician

## References in NHTSA Version 1

Desirable Element 58 Time of First CPR

Desirable Element 63 Time of First Defibrillatory Shock

## References to Other Databases

- **NFIRS 5.0** EMS Module, Title: Procedures Used, Multi Select List: Airway Insertion = 01, Anti-Shock Trousers = 02, Assisted Ventilation = 03, Bleeding Control = 04, Burn Care = 05, Cardiac Pacing = 06, Cardioversion (defib), Manual = 07, Chest/Abdominal Thrust = 08, CPR = 09, Cricothyroidotomy = 10, Defibrillation by AED = 11, EKG Monitoring = 12, Extrication = 13, Intubation (EGTA) = 14, Intubation (ET) = 15, IO/IV Therapy = 16, Medications Therapy = 17, Oxygen Therapy = 18, Obstetrical Care/Delivery = 19, Pre-Arrival Instruction = 20, Restrained Patient = 21, Spinal Immobilization = 22, Splinted Extremities = 23, Suction/Aspirate = 24, Other Procedure = 00, No Treatment = NN
- **UTSTEIN** Arrest after arrival of EMS could be documented by CPR or Defibrillation performed along with the Cardiac Arrest datapoint.; [text] Value or

# SIZE OF PROCEDURE EQUIPMENT

E19\_04

**Data Format** [text]

## Definition

The size of equipment used in the procedure on the patient

**XSD Data Type** *xs:string* **XSD Domain (Simple Type)** *SizeOfProcedureEquipment*  
**Multiple Entry Configuration** Yes, via structure **Accepts Null** Yes  
**Required in XSD** No **Minimum Constraint** 2 **Maximum Constraint** 20  
XSD Structure: Data Elements E19\_01 through E19\_11 are all members of E19\_01\_0 Procedure Structure

## Field Values

- 25 Not Applicable
- 5 Not Available
- 10 Not Known
  - Relevant Value for Data Element & Patient Care

## Additional Information

- Can be entered as text or configured as a List Box with the specific size associated with each Procedure listed for each EMS Agency (D04\_04) in the Demographic Dataset

## Uses

- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
<b>E19_01</b>	Date/Time Procedure Performed Successfully	<b>E19_02</b>	Procedure Performed Prior to this Units EMS Care
<b>E19_03</b>	Procedure	<b>E19_05</b>	Number of Procedure Attempts
<b>E19_06</b>	Procedure Successful	<b>E19_07</b>	Procedure Complication
<b>E19_08</b>	Response to Procedure	<b>E19_09</b>	Procedure Crew Members ID
<b>E19_10</b>	Procedure Authorization	<b>E19_11</b>	Procedure Authorizing Physician

## References in NHTSA Version 1

Essential Element 78 Procedure or Treatment Name

# NUMBER OF PROCEDURE ATTEMPTS

E19\_05

**Data Format** [number]

*National Element*

## Definition

The number of attempts taken to complete a procedure or intervention regardless of success

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *NumberOfProcedureAttempts*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes

**Required in XSD** Yes

**Minimum Constraint** -25

**Maximum Constraint** 100

XSD Structure: Data Elements E19\_01 through E19\_11 are all members of E19\_01\_0 Procedure Structure

## Field Values

-25 Not Applicable

-15 Not Reporting

-10 Not Known

-5 Not Available

- Relevant Value for Data Element & Patient Care

## Uses

- Allows data to be sorted based on the medical treatment
- Allows data to describe the procedures which are performed by EMS
- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

**E19\_01** Date/Time Procedure Performed Successfully

**E19\_02** Procedure Performed Prior to this Units EMS Care

**E19\_03** Procedure

**E19\_04** Size of Procedure Equipment

**E19\_06** Procedure Successful

**E19\_07** Procedure Complication

**E19\_08** Response to Procedure

**E19\_09** Procedure Crew Members ID

**E19\_10** Procedure Authorization

**E19\_11** Procedure Authorizing Physician

# PROCEDURE SUCCESSFUL

E19\_06

**Data Format** [combo] single-choice

*National Element*

## Definition

Indication of whether or not the procedure performed on the patient was successful

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *YesNoValues*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes

**Required in XSD** Yes

XSD Structure: Data Elements E19\_01 through E19\_11 are all members of E19\_01\_0 Procedure Structure

## Field Values

-25 Not Applicable

-10 Not Known

0 No

-15 Not Reporting

-5 Not Available

1 Yes

## Uses

- Allows data to be sorted based on the medical treatment
- Allows data to describe the procedures performed by EMS with respect to numbers and success rates
- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E19\_01** Date/Time Procedure Performed Successfully

**E19\_03** Procedure

**E19\_05** Number of Procedure Attempts

**E19\_08** Response to Procedure

**E19\_10** Procedure Authorization

**E01\_01** Patient Care Report Number

**E19\_02** Procedure Performed Prior to this Units EMS Care

**E19\_04** Size of Procedure Equipment

**E19\_07** Procedure Complication

**E19\_09** Procedure Crew Members ID

**E19\_11** Procedure Authorizing Physician

# PROCEDURE COMPLICATION

E19\_07

**Data Format** [combo] multiple-choice

*National Element*

## Definition

Any complication associated with the performance of the procedure on the patient

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *ProcedureComplication*

**Multiple Entry Configuration** (1) Yes, via structure. (2) Yes  
**Accepts Null** Yes  
for each E14\_01 Date/Time

**Required in XSD** Yes

XSD Structure: Data Elements E19\_01 through E19\_11 are all members of E19\_01\_0 Procedure Structure

## Field Values

-25 Not Applicable	-15 Not Reporting
-10 Not Known	-5 Not Available
4500 None	4505 Altered Mental Status
4510 Apnea	4515 Bleeding
4520 Bradycardia	4525 Diarrhea
4530 Esophageal Intubation-immediately	4535 Esophageal Intubation-other
4540 Extravasation	4545 Hypertension
4550 Hyperthermia	4555 Hypotension
4560 Hypoxia	4565 Injury
4570 Itching/Urticaria	4575 Nausea
4580 Other	4585 Respiratory Distress
4590 Tachycardia	4595 Vomiting

## Uses

- Allows data to be sorted based on procedure complication
- Allows data to describe procedure complications which occur as a result of EMS treatment as part of a federal initiative to identify and reduce medical errors
- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

<b>E00</b> Common Null Values	<b>E01_01</b> Patient Care Report Number
<b>E19_01</b> Date/Time Procedure Performed Successfully	<b>E19_02</b> Procedure Performed Prior to this Units EMS Care
<b>E19_03</b> Procedure	<b>E19_04</b> Size of Procedure Equipment
<b>E19_05</b> Number of Procedure Attempts	<b>E19_06</b> Procedure Successful
<b>E19_08</b> Response to Procedure	<b>E19_09</b> Procedure Crew Members ID
<b>E19_10</b> Procedure Authorization	<b>E19_11</b> Procedure Authorizing Physician

# RESPONSE TO PROCEDURE

E19\_08

**Data Format** [combo] single-choice

## Definition

The patient's response to the procedure

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *ResponseToProcedure*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** Yes

**Required in XSD** No

XSD Structure: Data Elements E19\_01 through E19\_11 are all members of E19\_01\_0 Procedure Structure

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	4600	Improved
4605	Unchanged	4610	Worse

## Uses

- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
<b>E19_01</b>	Date/Time Procedure Performed Successfully	<b>E19_02</b>	Procedure Performed Prior to this Units EMS Care
<b>E19_03</b>	Procedure	<b>E19_04</b>	Size of Procedure Equipment
<b>E19_05</b>	Number of Procedure Attempts	<b>E19_06</b>	Procedure Successful
<b>E19_07</b>	Procedure Complication	<b>E19_09</b>	Procedure Crew Members ID
<b>E19_10</b>	Procedure Authorization	<b>E19_11</b>	Procedure Authorizing Physician

# PROCEDURE AUTHORIZING PHYSICIAN

E19\_11

**Data Format** [text]

## Definition

The last name of the authorizing physician ordering the procedure, if the order was provided by any manner other than protocol (standing order)

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>ProcedureAuthorizingPhysician</i>
<b>Multiple Entry Configuration</b>	Yes, via structure	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	2
		<b>Maximum Constraint</b>	20

XSD Structure: Data Elements E19\_01 through E19\_11 are all members of E19\_01\_0 Procedure Structure

## Field Values

- |                    |  |
|--------------------|--|
| -25 Not Applicable | -10 Not Known                                    |
| -5 Not Available   | • Relevant Value for Data Element & Patient Care |

## Additional Information

- Associated with Procedure Authorization (E19\_10) if the value is not “Protocol”

## Uses

- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
<b>E19_01</b>	Date/Time Procedure Performed Successfully	<b>E19_02</b>	Procedure Performed Prior to this Units EMS Care
<b>E19_03</b>	Procedure	<b>E19_04</b>	Size of Procedure Equipment
<b>E19_05</b>	Number of Procedure Attempts	<b>E19_06</b>	Procedure Successful
<b>E19_07</b>	Procedure Complication	<b>E19_08</b>	Response to Procedure
<b>E19_09</b>	Procedure Crew Members ID	<b>E19_10</b>	Procedure Authorization

Data Format [combo] multiple-choice

Definition

The location of the IV site (if applicable) on the patient

<b>XSD Data Type</b>	<i>xs:integer</i>	<b>XSD Domain (Simple Type)</b>	<i>SuccessfulIVSite</i>
<b>Multiple Entry Configuration</b>	Yes	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No		

Field Values

-25 Not Applicable	-10 Not Known
-5 Not Available	4635 Antecubital-Left
4640 Antecubital-Right	4645 External Jugular-Left
4650 External Jugular-Right	4655 Femoral-Left IV
4660 Femoral-Left Distal IO	4665 Femoral-Right IV
4670 Femoral-Right IO	4675 Forearm-Left
4680 Forearm-Right	4685 Hand-Left
4690 Hand-Right	4695 Lower Extremity-Left
4700 Lower Extremity-Right	4705 Other
4710 Scalp	4715 Sternal IO
4720 Tibia IO-Left	4725 Tibia IO-Right
4730 Umbilical	

Uses

- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- EMS personnel

Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
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# TUBE CONFIRMATION

E19\_13

**Data Format** [combo] multiple-choice

## Definition

Endotracheal Tube placement verification at the time the airway procedure was done

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *TubeConfirmation*

**Multiple Entry Configuration** Yes

**Accepts Null** Yes

**Required in XSD** No

## Field Values

-25 Not Applicable

-5 Not Available

4740 Colormetric CO2 Detector Confirmation

4750 Esophageal Bulb Aspiration confirmation

4760 Visualization of the Chest Rising with ventilation

4770 Waveform CO2 Confirmation

-10 Not Known

4735 Auscultation of Bilateral Breath Sounds

4745 Digital CO2 Confirmation

4755 Negative Auscultation of the Epigastrium

4765 Visualization of Tube Passing Through the Cords

## Additional Information

- Associated with Procedure (E19\_03) if Airway Procedure leads to Intubation

## Uses

- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

E00 Common Null Values

E19\_03 Procedure

E01\_01 Patient Care Report Number

# DESTINATION CONFIRMATION OF TUBE PLACEMENT

E19\_14

**Data Format** [combo] multiple-choice

## Definition

Endotracheal Tube location verification on the arrival at the Destination (if applicable)

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *DestinationConfirmationOfTubePlacement*

**Multiple Entry Configuration** Yes

**Accepts Null** Yes

**Required in XSD** No

## Field Values

-25 Not Applicable

-5 Not Available

4780 Colormetric CO2 Detector Confirmation

4790 Esophageal Bulb Aspiration confirmation

4800 Visualization of the Chest Rising with ventilation

4810 Waveform CO2 Confirmation

-10 Not Known

4775 Auscultation of Bilateral Breath Sounds

4785 Digital CO2 Confirmation

4795 Negative Auscultation of the Epigastrium

4805 Visualization of Tube Passing Through the Cords

## Additional Information

- Associated with Procedure (E19\_03) if Airway Procedure leads to Intubation

## Uses

- Part of an EMS Medical Record
- Reports on Medications and Skills performed along with Protocols used provide key performance evaluation tools
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

E00 Common Null Values

E19\_03 Procedure

E01\_01 Patient Care Report Number

# ***Disposition***

DESTINATION/TRANSFERRED TO, NAME

E20\_01

Data Format [text]

Definition

The destination the patient was delivered or transferred to

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>DestinationTransferredToID</i>
<b>Multiple Entry Configuration</b>	No	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	2
		<b>Maximum Constraint</b>	50

Field Values

- 25 Not Applicable
- 10 Not Known
- 5 Not Available
- Relevant Value for Data Element & Patient Care

Additional Information

- Could be an editable single choice list box derived from Hospitals Served (D04\_11) and Other Destinations (D04\_13)

Uses

- A component of the EMS Medical Record: Patient Care Report
- Important for grouping or comparing data by Destination location and type which also allows data to be sorted by geographic areas in many agencies
- Provides information on overall service area, patterns and times for agency configuration and evaluation

Data Collector

- EMS personnel

Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
<b>E20_02</b>	Destination/Transferred To, Code		

# DESTINATION/TRANSFERRED TO, CODE

E20\_02

**Data Format** [text]

## Definition

The code of the destination the patient was delivered or transferred to, if present and available

**XSD Data Type** *xs:string*

**XSD Domain (Simple Type)** *DestinationTransferredToCode*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** No

**Minimum Constraint** 2

**Maximum Constraint** 50

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

- Relevant Value for Data Element & Patient Care

## Additional Information

- Could be an editable single choice list box derived from Hospitals Served (D04\_12) and Other Destinations (D04\_14)

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Important for grouping or comparing data by Destination location and type which also allows data to be sorted by geographic areas in many agencies
- Provides information on overall service area, patterns and times for agency configuration and evaluation

## Data Collector

- EMS agency or may be electronically provided through the 911 or dispatch center

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

**E20\_01** Destination/Transferred To, Name

# DESTINATION STREET ADDRESS

E20\_03

Data Format [text]

## Definition

The street address of the destination the patient was delivered or transferred to

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>StreetAddress</i>
<b>Multiple Entry Configuration</b>	No	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	2
		<b>Maximum Constraint</b>	30

XSD Structure: E20\_03, E20\_04, E20\_05, and E20\_07 are all members of E2-03\_0 Destination Address Structure

## Field Values

- 25 Not Applicable
- 5 Not Available
- 10 Not Known
  - Relevant Value for Data Element & Patient Care

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Important for grouping or comparing data by Destination location and type which also allows data to be sorted by geographic areas in many agencies
- Provides information on overall service area, patterns and times for agency configuration and evaluation

## Data Collector

- EMS agency or may be electronically provided through the 911 or dispatch center

## Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
<b>E20_01</b>	Destination/Transferred To, Name	<b>E20_04</b>	Destination City
<b>E20_05</b>	Destination State	<b>E20_07</b>	Destination Zip Code

# DESTINATION CITY

E20\_04

**Data Format** [combo] single-choice

## Definition

The city name of the destination the patient was delivered or transferred to

**XSD Data Type** *xs:string*

**XSD Domain (Simple Type)** *City*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** No

**Minimum Constraint** 2

**Maximum Constraint** 30

XSD Structure: E20\_03, E20\_04, E20\_05, and E20\_07 are all members of E2-\_03\_0 Destination Address Structure

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

- Relevant Value for Data Element & Patient Care

## Additional Information

- 5 digit FIPS Code
- Could be filled in from Destination Zip Code (E20\_07)

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Important for grouping or comparing data by Destination location and type which also allows data to be sorted by geographic areas in many agencies
- Provides information on overall service area, patterns and times for agency configuration and evaluation

## Data Collector

- EMS agency or may be electronically provided through the 911 or dispatch center

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

**E20\_01** Destination/Transferred To, Name

**E20\_03** Destination Street Address

**E20\_05** Destination State

**E20\_07** Destination Zip Code

# DESTINATION STATE

E20\_05

Data Format [combo] single-choice

## Definition

The destination State in which the patient was delivered or transferred to

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>State</i>
<b>Multiple Entry Configuration</b>	No	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	2
		<b>Maximum Constraint</b>	3

XSD Structure: E20\_03, E20\_04, E20\_05, and E20\_07 are all members of E2-\_03\_0 Destination Address Structure

## Field Values

- 25 Not Applicable
- 5 Not Available
- 10 Not Known
  - Relevant Value for Data Element & Patient Care

## Additional Information

- 2 digit FIPS numeric code (Not State abbreviation)
- Could be filled in from Destination Zip Code (E20\_07)

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Important for grouping or comparing data by Destination location and type which also allows data to be sorted by geographic areas in many agencies
- Provides information on overall service area, patterns and times for agency configuration and evaluation

## Data Collector

- EMS agency or may be electronically provided through the 911 or dispatch center

## Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
<b>E20_01</b>	Destination/Transferred To, Name	<b>E20_03</b>	Destination Street Address
<b>E20_04</b>	Destination City	<b>E20_07</b>	Destination Zip Code

# DESTINATION COUNTY

E20\_06

**Data Format** [combo] single-choice

## Definition

The destination County in which the patient was delivered or transferred to

**XSD Data Type** *xs:string*

**XSD Domain (Simple Type)** *County*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** No

**Minimum Constraint** 2

**Maximum Constraint** 5

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

- Relevant Value for Data Element & Patient Care

## Additional Information

- Stored as a 5 digit FIPS code (combining the state and county code) to take into account agencies may server more than one state and counties are often named the same from state to state

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Important for grouping or comparing data by Destination location and type which also allows data to be sorted by geographic areas in many agencies
- Provides information on overall service area, patterns and times for agency configuration and evaluation

## Data Collector

- EMS agency or may be electronically provided through the 911 or dispatch center

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

**E20\_01** Destination/Transferred To, Name

# DESTINATION ZIP CODE

E20\_07

**Data Format** [text]

*National Element*

## Definition

The destination zip code in which the patient was delivered or transferred to

**XSD Data Type** *xs:string*

**XSD Domain (Simple Type)** *Zip*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** Yes

**Minimum Constraint** 2

**Maximum Constraint** 10

XSD Structure: E20\_03, E20\_04, E20\_05, and E20\_07 are all members of E2-\_03\_0 Destination Address Structure

## Field Values

-25 Not Applicable

-15 Not Reporting

-10 Not Known

-5 Not Available

- Relevant Value for Data Element & Patient Care

## Additional Information

- Can be 5 or 9 digit Zip Code

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the destination location
- Allows data to describe patient's geographic destination
- Important for grouping or comparing data by Destination location and type which also allows data to be sorted by geographic areas in many agencies
- Provides information on overall service area, patterns and times for agency configuration and evaluation

## Data Collector

- EMS agency or may be electronically provided through the 911 or dispatch center

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

**E20\_01** Destination/Transferred To, Name

**E20\_03** Destination Street Address

**E20\_04** Destination City

**E20\_05** Destination State

# INCIDENT/PATIENT DISPOSITION

E20\_10

**Data Format** [combo] single-choice

*National Element*

## Definition

Type of disposition treatment and/or transport of the patient.

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *IncidentPatientDisposition*

**Multiple Entry Configuration** No

**Accepts Null** No

**Required in XSD** Yes

## Field Values

**4815** Cancelled

**4825** No Patient Found

**4835** Patient Refused Care

**4845** Treated, Transferred Care

**4855** Treated, Transported by Law Enforcement

**4820** Dead at Scene

**4830** No Treatment Required

**4840** Treated and Released

**4850** Treated, Transported by EMS

**4860** Treated, Transported by Private Vehicle

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the EMS disposition
- Allows data to describe EMS patient's disposition

## Data Collector

- EMS personnel

## Other Associated Elements

**E01\_01** Patient Care Report Number

## References in NHTSA Version 1

Essential Element 47 Incident/Patient Disposition

## References to Other Databases

- **NFIRS 5.0** EMS Module; Title: Disposition; Pick-List: FD Transport to Emergency Care Facility (ECF) = 1, Non-FD Transport = 2, Non-FD Transport with FD Attendant = 3, Non-Emergency Transfer = 4, Other = O, Not Transported under EMS = N

# HOW PATIENT WAS MOVED TO AMBULANCE

E20\_11

**Data Format** [combo] single-choice

## Definition

The method the patient was moved to the ambulance from the scene

<b>XSD Data Type</b>	<i>xs:integer</i>	<b>XSD Domain (Simple Type)</b>	<i>HowPatientWasMovedToAmbulance</i>
<b>Multiple Entry Configuration</b>	No	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No		

## Field Values

-25 Not Applicable	-10 Not Known
-5 Not Available	4865 Assisted/Walk
4870 Carry	4875 Stairchair
4880 Stretcher	4885 Other

## Uses

- Part of an EMS Medical Record
- Used in Quality Management for the evaluation of Care

## Data Collector

- EMS personnel

## Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
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# POSITION OF PATIENT DURING TRANSPORT

E20\_12

Data Format [combo] single-choice

## Definition

The position of the patient during transport from the scene

<b>XSD Data Type</b>	<i>xs:integer</i>	<b>XSD Domain (Simple Type)</b>	<i>PositionOfPatientDurningTransport</i>
<b>Multiple Entry Configuration</b>	No	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No		

## Field Values

-25 Not Applicable	-10 Not Known
-5 Not Available	4890 Car Seat
4895 Fowlers	4900 Lateral
4905 Prone	4910 Semi-Fowlers
4915 Sitting	4920 Supine
4925 Other	

## Uses

- Part of an EMS Medical Record
- Used in Quality Management for the evaluation of Care

## Data Collector

- EMS personnel

## Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
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# HOW PATIENT WAS TRANSPORTED FROM AMBULANCE

E20\_13

Data Format [combo] single-choice

## Definition

The method the patient was moved from the ambulance to the destination

<b>XSD Data Type</b>	<i>xs:integer</i>	<b>XSD Domain (Simple Type)</b>	<i>HowPatientWasTransportedFromAmbulance</i>
<b>Multiple Entry Configuration</b>	No	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No		

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	4930	Assisted/Walk
4935	Carry	4940	Stairchair
4945	Stretcher	4950	Other

## Uses

- Part of an EMS Medical Record
- Used in Quality Management for the evaluation of Care

## Data Collector

- EMS personnel

## Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
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# TRANSPORT MODE FROM SCENE

E20\_14

**Data Format** [combo] single-choice

*National Element*

## Definition

Indication whether or not lights and/or sirens were used on the vehicle while leaving scene

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *TransportModeFromScene*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** Yes

## Field Values

-25 Not Applicable

-15 Not Reporting

-10 Not Known

-5 Not Available

4955 Initial Lights and Sirens, Downgraded to No Lights or Sirens

4960 Initial No Lights or Sirens, Upgraded to Lights and Sirens

4965 Lights and Sirens

4970 No Lights or Sirens

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the transportation mode
- Allows data to describe transportation mode used by EMS

## Data Collector

- EMS personnel

## Other Associated Elements

E00 Common Null Values

E01\_01 Patient Care Report Number

## References in NHTSA Version 1

Essential Element 46 Lights and Sirens used from the Scene

# CONDITION OF PATIENT AT DESTINATION

E20\_15

**Data Format** [combo] single-choice

## Definition

The condition of the patient after care by EMS

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *ConditionOfPatientAtDestination*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** No

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

4975 Improved

4980 Unchanged

4985 Worse

## Uses

- Outcome indicator
- Part of an EMS Medical Record
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- EMS personnel

## Other Associated Elements

E00 Common Null Values

E01\_01 Patient Care Report Number

## References to Other Databases

- NFIRS 5.0 EMS Module; Title: Patient Status; The patient's status when transferred to another agency.; Pick-List: Improved = 1, Remained Same = 2, Worsened = 3

# REASON FOR CHOOSING DESTINATION

E20\_16

**Data Format** [combo] single-choice

*National Element*

## Definition

The reason the unit chose to deliver or transfer the patient to the destination

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *ReasonForChoosingDestination*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** Yes

## Field Values

-25	Not Applicable	-15	Not Reporting
-10	Not Known	-5	Not Available
4990	Closest Facility (none below)	4995	Diversion
5000	Family Choice	5005	Insurance Status
5010	Law Enforcement Choice	5015	On-Line Medical Direction
5020	Other	5025	Patient Choice
5030	Patient's Physicians Choice	5035	Protocol
5040	Specialty Resource Center		

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted based on the destination choice
- Allows data to give a reason for choosing the patient's destination which is important to document from a specialty care agency and diversion/overcrowding perspective

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

## References in NHTSA Version 1

Essential Element 45 Destination Determination

# TYPE OF DESTINATION

E20\_17

**Data Format** [combo] single-choice

*National Element*

## Definition

The type of destination the patient was delivered or transferred to

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *TypeOfDestination*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** Yes

## Field Values

-25 Not Applicable

-15 Not Reporting

-10 Not Known

-5 Not Available

5045 Home

5050 Hospital

5055 Medical Office/Clinic

5060 Morgue

5065 Nursing Home

5070 Other

5075 Other EMS Responder (air)

5080 Other EMS Responder (ground)

5085 Police/Jail

## Uses

- A component of the EMS Medical Record: Patient Care Report
- Allows data to be sorted or grouped based on the EMS transports destination type
- Allows data to describe EMS patient's destination type

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

**E20\_01** Destination/Transferred To, Name

## References in NHTSA Version 1

Essential Element 44 Destination/Transferred To

# ***Medical Device Data***

Data Format [text]

Definition

The mode of operation the device is operating in during the defibrillation, pacing, or rhythm analysis by the device (if appropriate for the event)

<b>XSD Data Type</b>	<i>xs:integer</i>	<b>XSD Domain (Simple Type)</b>	<i>AEDPacingOrCO2Mode</i>
<b>Multiple Entry Configuration</b>	Yes, via structure	<b>Accepts Null</b>	No
<b>Required in XSD</b>	No		

XSD Structure: (1) Each element in section E21 is associated with a E21\_01 Date/Time.

Field Values

<b>5210</b> Automated	<b>5215</b> Manual
<b>5220</b> Advisory	<b>5225</b> Demand
<b>5230</b> Sensing	<b>5235</b> Mid-Stream
<b>5240</b> Side-Stream	

Additional Information

- Associated with Event Date/Time (E21\_01) and only if appropriate for the Medical Device Event (E21\_02)

Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- Medical device and electronically transmitted to the EMS database for further use

Other Associated Elements

<b>E01_01</b>	Patient Care Report Number	<b>E21_01</b>	Event Date/Time
<b>E21_02</b>	Medical Device Event Name		

# ECG LEAD

E21\_06

**Data Format** [text]

## Definition

The lead or source which the medical device used to obtain the rhythm (if appropriate for the event)

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *ECGLead*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** No

**Required in XSD** No

XSD Structure: (1) Each element in section E21 is associated with a E21\_01 Date/Time.

## Field Values

5245 I

5250 II

5255 III

5260 AVR

5265 AVL

5270 AVF

5275 V1

5280 V2

5285 V3

5290 V4

5295 V5

5300 V6

5305 Paddle

## Additional Information

- Associated with Event Date/Time (E21\_01) and only if appropriate for the Medical Device Event (E21\_02)

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- Medical device and electronically transmitted to the EMS database for further use

## Other Associated Elements

E01\_01 Patient Care Report Number

E21\_01 Event Date/Time

E21\_02 Medical Device Event Name

Data Format [text]

Definition

The interpretation of the rhythm by the device (if appropriate for the event)

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>ECGInterpretation</i>
<b>Multiple Entry Configuration</b>	Yes, via structure	<b>Accepts Null</b>	No
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	1
		<b>Maximum Constraint</b>	2,000
XSD Structure: (1) Each element is section E21 is associated with a E21_01 Date/Time.			

Field Values

- Relevant Value for Data Element & Patient Care

Additional Information

- Associated with Event Date/Time (E21\_01) and only if appropriate for the Medical Device Event (E21\_02)

Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

Data Collector

- Medical device and electronically transmitted to the EMS database for further use

Other Associated Elements

<b>E01_01</b>	Patient Care Report Number	<b>E21_01</b>	Event Date/Time
<b>E21_02</b>	Medical Device Event Name		

# SHOCK OR PACING ENERGY

E21\_09

Data Format [number]

## Definition

The energy used for the shock or pacing event (if appropriate for the event)

<b>XSD Data Type</b>	<i>xs:decimal</i>	<b>XSD Domain (Simple Type)</b>	<i>ShockOrPacingEnergy</i>
<b>Multiple Entry Configuration</b>	Yes, via structure	<b>Accepts Null</b>	No
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	1
		<b>Maximum Constraint</b>	9,000

XSD Structure: (1) Each element is section E21 is associated with a E21\_01 Date/Time.

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- Associated with Event Date/Time (E21\_01) and only if appropriate for the Medical Device Event (E21\_02)

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- Medical device and electronically transmitted to the EMS database for further use

## Other Associated Elements

<b>E01_01</b>	Patient Care Report Number	<b>E21_01</b>	Event Date/Time
<b>E21_02</b>	Medical Device Event Name		

# TOTAL NUMBER OF SHOCKS DELIVERED

E21\_10

**Data Format** [number]

## Definition

The number of times the patient was defibrillated, if the patient was defibrillated during the patient encounter.

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *TotalNumberOfShocks*

**Multiple Entry Configuration** Yes, via structure

**Accepts Null** No

**Required in XSD** No

**Minimum Constraint** 1

**Maximum Constraint** 100

XSD Structure: (1) Each element in section E21 is associated with a E21\_01 Date/Time.

## Field Values

- Relevant Value for Data Element & Patient Care

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- Medical device and electronically transmitted to the EMS database for further use

## Other Associated Elements

**E01\_01** Patient Care Report Number

**E21\_01** Event Date/Time

**E21\_02** Medical Device Event Name

# PACING RATE

E21\_11

Data Format [number]

## Definition

The rate the device was calibrated to pace during the event, if appropriate.

<b>XSD Data Type</b>	<i>xs:integer</i>	<b>XSD Domain (Simple Type)</b>	<i>PacingRate</i>
<b>Multiple Entry Configuration</b>	Yes, via structure	<b>Accepts Null</b>	No
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	1
		<b>Maximum Constraint</b>	1,000

XSD Structure: (1) Each element is section E21 is associated with a E21\_01 Date/Time.

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- Associated with Event Date/Time (E21\_01) and only if appropriate for the Medical Device Event (E21\_02)

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- Medical device and electronically transmitted to the EMS database for further use

## Other Associated Elements

<b>E01_01</b>	Patient Care Report Number	<b>E21_01</b>	Event Date/Time
<b>E21_02</b>	Medical Device Event Name		

# DEVICE HEART RATE

E21\_12

Data Format [number]

## Definition

The heart rate electronically obtained by the device (if appropriate for the event)

<b>XSD Data Type</b>	<i>xs:integer</i>	<b>XSD Domain (Simple Type)</b>	<i>PulseRate</i>
<b>Multiple Entry Configuration</b>	Yes, via structure	<b>Accepts Null</b>	No
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	0
		<b>Maximum Constraint</b>	500

XSD Structure: (1) Each element is section E21 is associated with a E21\_01 Date/Time.

## Field Values

- Relevant Value for Data Element & Patient Care

## Additional Information

- Associated with Event Date/Time (E21\_01) and only if appropriate for the Medical Device Event (E21\_02)
- Could be merged into Electronic Monitor Rate (E14\_08)

## Uses

- Part of an EMS Medical Record
- Provides documentation of Assessment and Care
- Used in Quality Management for the evaluation of Care and EMS Agency Performance

## Data Collector

- Medical device and electronically transmitted to the EMS database for further use

## Other Associated Elements

<b>E01_01</b>	Patient Care Report Number	<b>E21_01</b>	Event Date/Time
<b>E21_02</b>	Medical Device Event Name		

# ***Outcome and Linkage***

# EMERGENCY DEPARTMENT DISPOSITION

E22\_01

Data Format [combo] single-choice

National Element

## Definition

The known disposition of the patient from the Emergency Department (ED)

XSD Data Type	<i>xs:integer</i>	XSD Domain (Simple Type)	<i>EmergencyDepartmentDisposition</i>
Multiple Entry Configuration	No	Accepts Null	Yes
Required in XSD	Yes		

## Field Values

-25	Not Applicable	-15	Not Reporting
-10	Not Known	-5	Not Available
5335	Admitted to Hospital Floor	5340	Admitted to Hospital ICU
5345	Death	5350	Not Applicable (Not Transported to ED)
5355	Released	5360	Transferred

## Uses

- Allows data to be sorted based on the EMS patient outcome
- Allows data to describe EMS patient outcome

## Data Collector

- EMS Agency: Could be collected by EMS Administration or electronically provided through linkage with hospital databases

## Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
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# HOSPITAL DISPOSITION

E22\_02

**Data Format** [combo] single-choice

*National Element*

## Definition

Indication of how the patient was dispositioned from the hospital, if admitted.

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *HospitalDisposition*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** Yes

## Field Values

-25 Not Applicable

-10 Not Known

5365 Death

5375 Transfer to Hospital

5385 Transfer to Other

-15 Not Reporting

-5 Not Available

5370 Discharged

5380 Transfer to Nursing Home

5390 Transfer to Rehabilitation Facility

## Uses

- Allows data to be sorted based on the EMS patient outcome
- Allows data to describe EMS patient outcome

## Data Collector

- EMS Agency: Could be collected by EMS Administration or electronically provided through linkage with hospital databases

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

## References to Other Databases

- **UTSTEIN** Title: Survived Event to ED/ICU; Admitted to ED, Admitted to ICU

Data Format [text]

Definition

The unique number associated with the local or state trauma registry which can be used for linkage at a later date.

<b>XSD Data Type</b>	<i>xs:string</i>	<b>XSD Domain (Simple Type)</b>	<i>TraumaRegistryID</i>
<b>Multiple Entry Configuration</b>	No	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No	<b>Minimum Constraint</b>	2
		<b>Maximum Constraint</b>	20

Field Values

- 25

Not Applicable
- 5

Not Available
- 10

Not Known

•

Relevant Value for Data Element & Patient Care

Uses

- Important for Quality Management of the overall EMS Agency and Clinical performance
- Important linkage between EMS data and Trauma Data for Outcome evaluation

Data Collector

- EMS Agency: Could be collected by EMS Administration or electronically provided through linkage with hospital databases

Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
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# PATIENT ID BAND/TAG NUMBER

E22\_06

**Data Format** [text]

## Definition

The unique number associated with a patient ID band agency. This is used by a few states as a universal linkage between healthcare data agencies.

**XSD Data Type** *xs:string*

**XSD Domain (Simple Type)** *PatientIDBandTagNumber*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** No

**Minimum Constraint** 2

**Maximum Constraint** 20

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

- Relevant Value for Data Element & Patient Care

## Uses

- Important for Quality Management of the overall EMS Agency and Clinical performance
- Important linkage between EMS data and the other components of the healthcare agency

## Data Collector

- EMS Agency: Could be collected by EMS Administration or electronically provided through linkage with hospital databases

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number

# ***Miscellaneous***

# PERSONAL PROTECTIVE EQUIPMENT USED

E23\_03

Data Format [combo] multiple-choice

## Definition

The personal protective equipment which was used by EMS personnel during this EMS patient contact.

<b>XSD Data Type</b>	<i>xs:integer</i>	<b>XSD Domain (Simple Type)</b>	<i>PersonalProtectiveEquipmentUsed</i>
<b>Multiple Entry Configuration</b>	Yes	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No		

## Field Values

<b>-25</b> Not Applicable	<b>-10</b> Not Known
<b>-5</b> Not Available	<b>5435</b> Eye Protection
<b>5440</b> Gloves	<b>5445</b> Level A Suit
<b>5450</b> Level B Suit	<b>5455</b> Level C Suit
<b>5460</b> Mask	<b>5465</b> Other

## Uses

- Important for the Quality Management evaluation of personnel performance and safety initiatives
- Part of an EMS Medical Record

## Data Collector

- EMS personnel

## Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
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# SUSPECTED INTENTIONAL, OR UNINTENTIONAL DISASTER

E23\_04

**Data Format** [combo] multiple-choice

## Definition

Suspicion of the listed multi-casualty or domestic terrorism causes.

<b>XSD Data Type</b>	<i>xs:integer</i>	<b>XSD Domain (Simple Type)</b>	<i>SuspectedIntentionalOrUnintentionalDisaster</i>
<b>Multiple Entry Configuration</b>	Yes	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No		

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	5470	Biologic Agent
5475	Building Failure	5480	Chemical Agent
5485	Explosive Device	5490	Fire
5495	Hostage Event	5500	Mass Gathering
5505	Nuclear Agent	5510	Radioactive Device
5515	Secondary Destructive Device	5520	Shooting/Sniper
5525	Vehicular	5530	Weather

## Uses

- May assist in the tracking and identification of Disaster or Terrorism related events

## Data Collector

- EMS personnel

## Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
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Data Format [combo] single-choice

Definition

Indication of unprotected contact with blood or body fluids

XSD Data Type	<i>xs:integer</i>	XSD Domain (Simple Type)	<i>YesNoValues</i>
Multiple Entry Configuration	No	Accepts Null	Yes
Required in XSD	No		

Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	0	No
1	Yes		

Additional Information

- If Suspected Contact with Blood/Body Fluids of EMS Injury or Death (E23\_05) is "YES", then Type of Syspected Blood/Body Fluid Exposure, Injury or Death (E23\_06) and Personnel Exposed (E23\_07) should be completed

Uses

- Important for the Quality Management evaluation of personnel performance and safety initiatives
- Part of an EMS Medical Record

Data Collector

- EMS personnel

Other Associated Elements

E00	Common Null Values	E01_01	Patient Care Report Number
E23_06	Type of Suspected Blood/Body Fluid Exposure, Injury, or Death	E23_07	Personnel Exposed

# TYPE OF SUSPECTED BLOOD/BODY FLUID EXPOSURE, INJURY, OR DEATH

E23\_06

**Data Format** [combo] multiple-choice

## Definition

The type of exposure or unprotected contact with blood or body fluids

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *TypeOfSuspectedExposureToBodilyFluids*

**Multiple Entry Configuration** Yes

**Accepts Null** Yes

**Required in XSD** No

## Field Values

-25	Not Applicable	-10	Not Known
-5	Not Available	5540	Contact to Broken Skin
5545	Contact to Intact Skin	5550	Contact with Eye
5555	Contact with Mucosal Surface	5560	Inhalation Exposure
5565	Needle Stick with Fluid Injection	5570	Needle Stick without Fluid Injection
5575	Other Physical injury	5580	Death
5585	None		

## Additional Information

- If Suspected Contact with Blood/Body Fluids of EMS Injury or Death (E23\_05) is "YES", then Type of Suspected Blood/Body Fluid Exposure, Injury or Death (E23\_06) and Personnel Exposed (E23\_07) should be completed

## Uses

- Important for the Quality Management evaluation of personnel performance and safety initiatives
- Part of an EMS Medical Record

## Data Collector

- EMS personnel

## Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
<b>E23_05</b>	Suspected Contact with Blood/Body Fluids of EMS Injury or Death	<b>E23_07</b>	Personnel Exposed

PERSONNEL EXPOSED

E23\_07

Data Format [combo] multiple-choice

Definition

The EMS personnel who was/were exposed to unprotected contact with blood or body fluids

<b>XSD Data Type</b>	<i>xs:integer</i>	<b>XSD Domain (Simple Type)</b>	<i>PersonnelExposed</i>
<b>Multiple Entry Configuration</b>	Yes	<b>Accepts Null</b>	Yes
<b>Required in XSD</b>	No		

Field Values

<b>-25</b> Not Applicable	<b>-10</b> Not Known
<b>-5</b> Not Available	<b>5590</b> This EMS Crew
<b>5595</b> Non-EMS individual	<b>5600</b> Other EMS Personnel

Additional Information

- If Suspected Contact with Blood/Body Fluids of EMS Injury or Death (E23\_05) is "YES", then Type of Suspected Blood/Body Fluid Exposure, Injury or Death (E23\_06) and Personnel Exposed (E23\_07) should be completed

Uses

- Important for the Quality Management evaluation of personnel performance and safety initiatives
- Part of an EMS Medical Record

Data Collector

- EMS personnel

Other Associated Elements

<b>E00</b>	Common Null Values	<b>E01_01</b>	Patient Care Report Number
<b>E23_05</b>	Suspected Contact with Blood/Body Fluids of EMS Injury or Death	<b>E23_06</b>	Type of Suspected Blood/Body Fluid Exposure, Injury, or Death

REQUIRED REPORTABLE CONDITIONS

E23\_08

Data Format [combo] single-choice

Definition

The presence of any condition which is reportable based on federal or state regulations.

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *YesNoValues*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** No

Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

0 No

1 Yes

Uses

- Allows reports to be generated to assist in the required reporting of mandated medical or social conditions
- Important for the Quality Management evaluation of personnel performance and safety initiatives
- Part of an EMS Medical Record

Data Collector

- EMS personnel

Other Associated Elements

E00 Common Null Values

E01\_01 Patient Care Report Number

# WHO GENERATED THIS REPORT?

E23\_10

Data Format [text]

## Definition

The statewide assigned ID number of the EMS crew member which completed this patient care report

**XSD Data Type** *xs:integer*

**XSD Domain (Simple Type)** *CrewMemberID*

**Multiple Entry Configuration** No

**Accepts Null** Yes

**Required in XSD** No

**Minimum Constraint** 2

**Maximum Constraint** 15

## Field Values

-25 Not Applicable

-10 Not Known

-5 Not Available

- Relevant Value for Data Element & Patient Care

## Additional Information

- Linked to State/Licensure ID Number (D07\_02)
- List box created from the State/Licensure ID Number (D07\_02) which could display the Personnel's Names as associated with D08\_01, D08\_02, and D08\_03 for easy data entry

## Uses

- Important for the Quality Management evaluation
- Part of an EMS Medical Record

## Data Collector

- EMS personnel

## Other Associated Elements

**E00** Common Null Values

**E01\_01** Patient Care Report Number